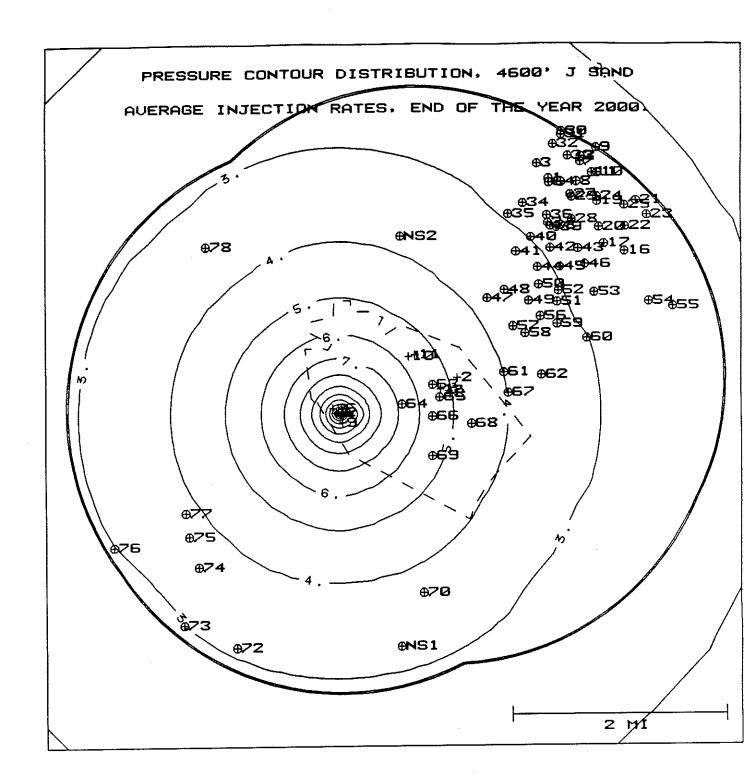
TIME

Figure 4-1: Increase in gel strength of various mud types with time Adapted from: Gray et al., 1980.

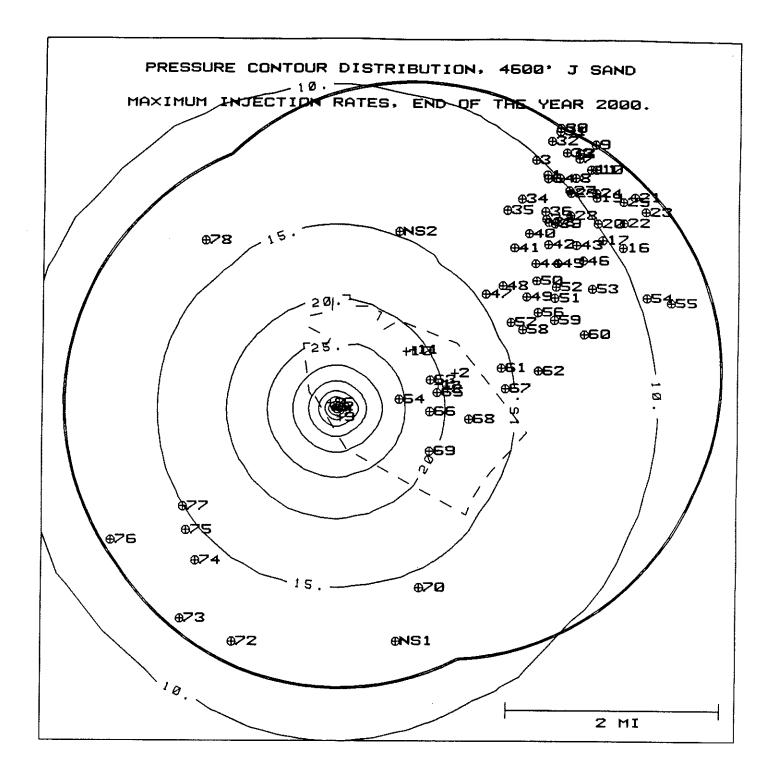


+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

Figure 4-2: Pressure Contour Plot. 4600'. J sand Average Flow Rate, 2000



+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

-- = PLANT BOUNDARY

Figure 4-3: Pressure Contour Plot, 4600', J sand Maximum Flow Rate, 2000

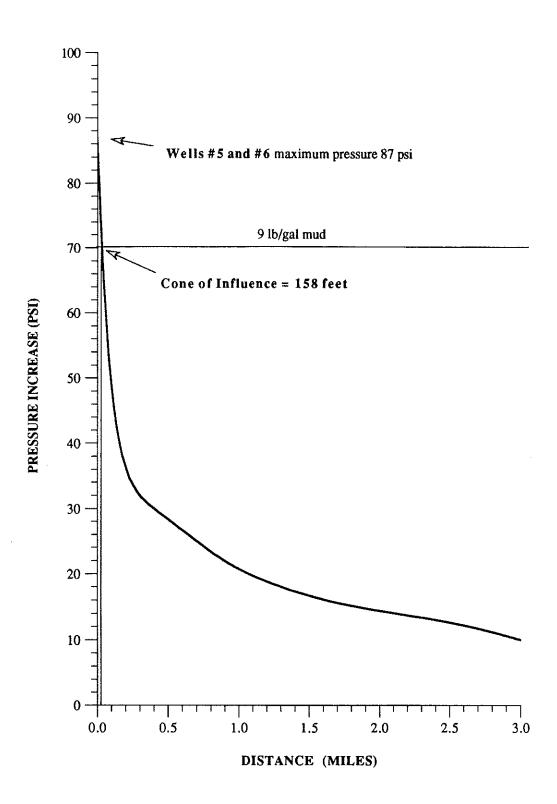
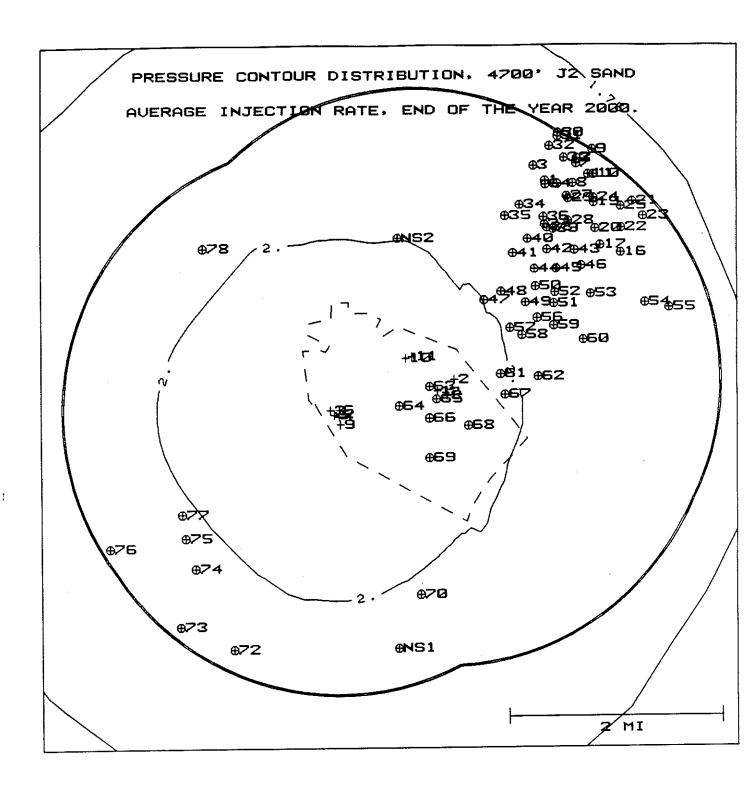


FIGURE 4-4: Calculated Cone of Influence - Sabine River Works Pressure Distribution Using Maximum Injection Rate in 4600' J Sand, Year 2000

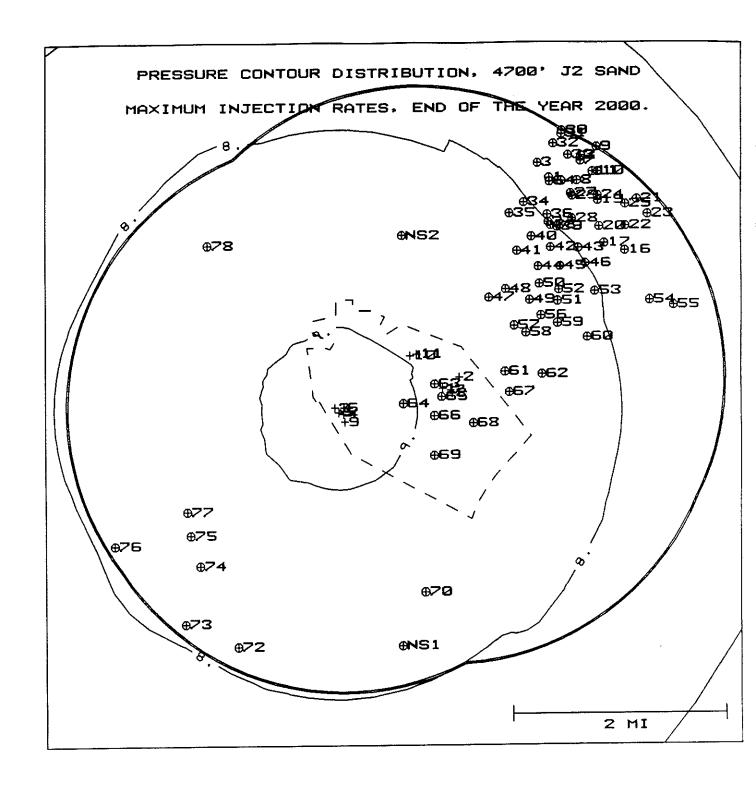


+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

Figure 4-5: Pressure Contour Plot, 4700', J2 sand Average Flow Rate, 2000



+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

-- = PLANT BOUNDARY

Figure 4-6: Pressure Contour Plot, 4700', J2 sand Maximum Flow Rate, 2000

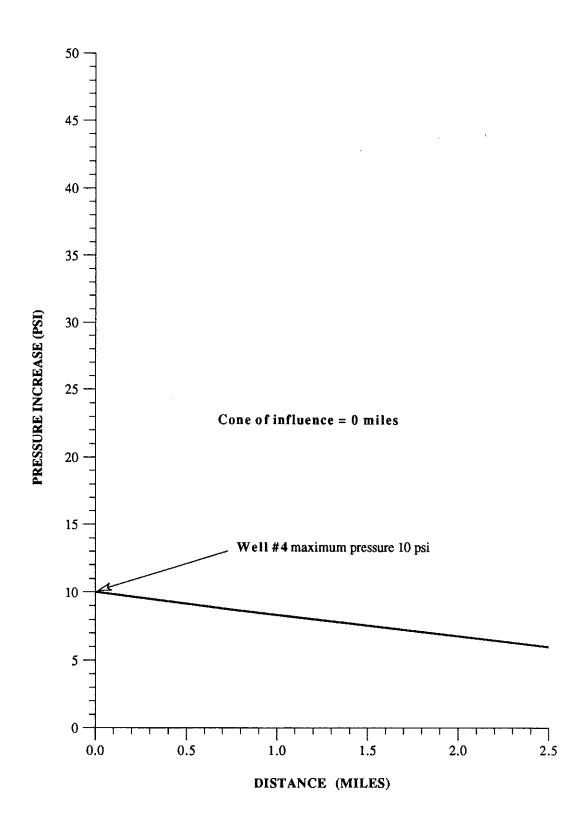
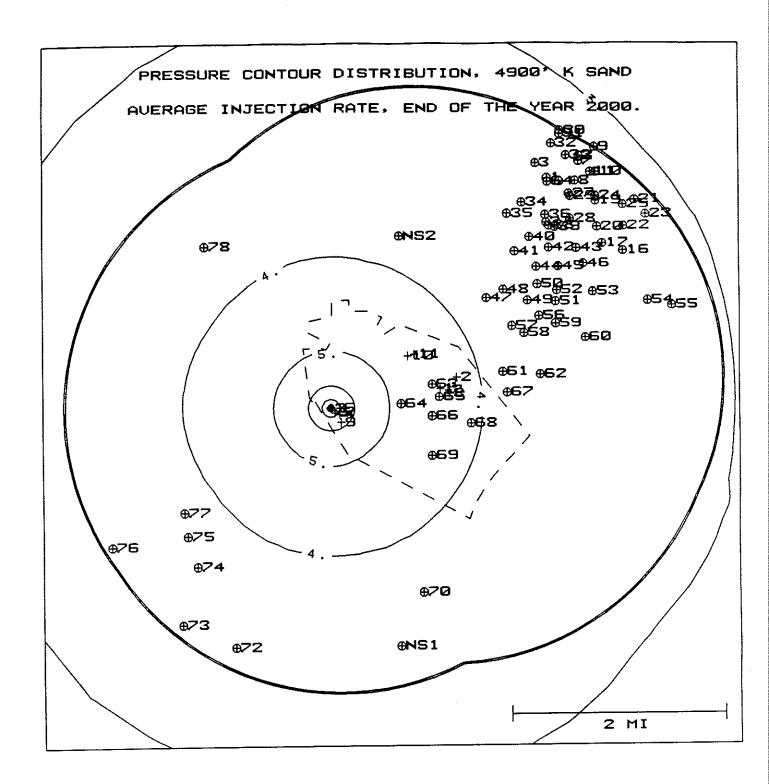


FIGURE 4-7: Calculated Cone of Influence -Sabine River Works
Pressure Distribution Using Maximum Injection Rate in the 4700' J2 sand, Year 2000



+ = INJECTION WELL + = ARTIFICIAL PENETE

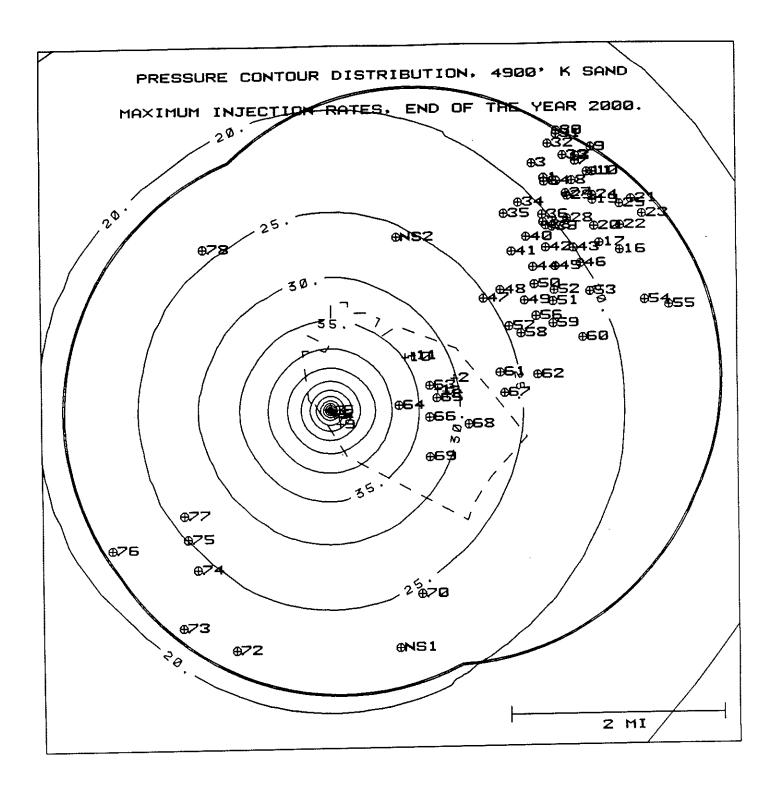
+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

-- = PLANT BOUNDARY

Figure 4-8: Pressure Contour Plot, 4900', K sand Average Flow Rate, 2000



+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

-- = PLANT BOUNDARY

Figure 4-9: Pressure Contour Plot, 4900', K sand Maximum Flow Rate, 2000

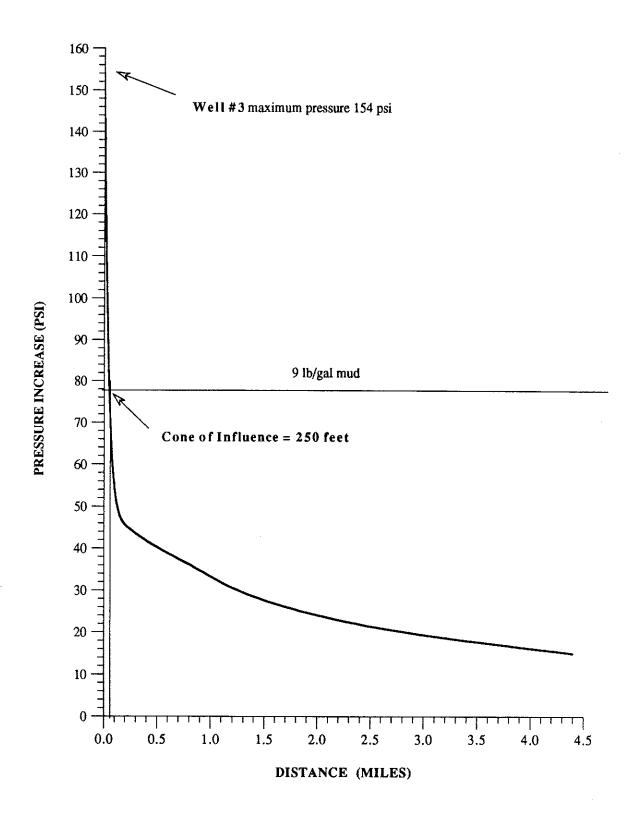
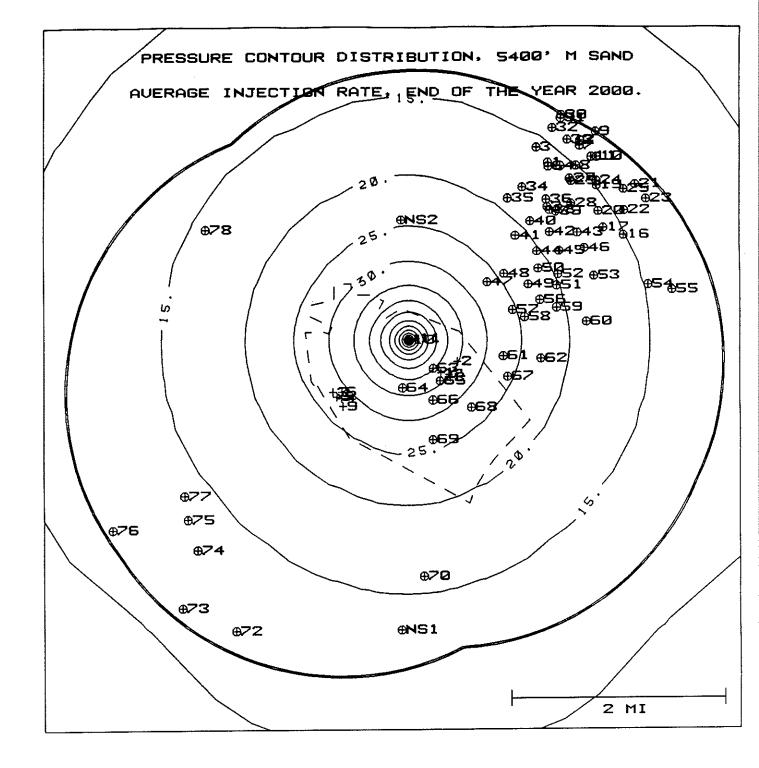


FIGURE 4-10: Calculated Cone of Influence - Sabine River Works Pressure Distribution Using Maximum Injection Rate in 4900' K Sand, Year 2000

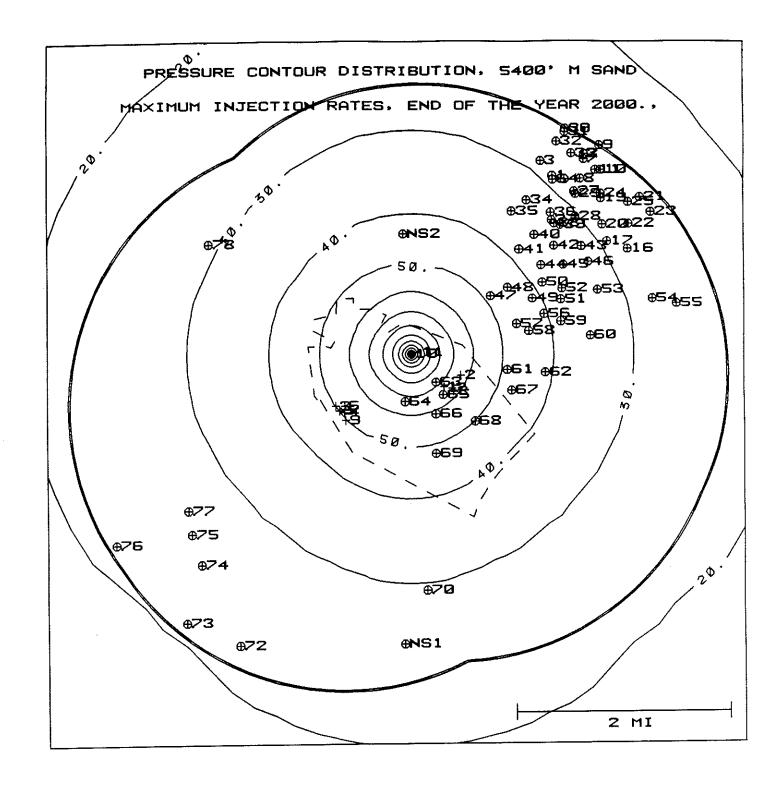


+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

Figure 4-11: Pressure Contour Plot, 5400', M sand Average Flow Rate, 2000



+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

Figure 4-12: Pressure Contour Plot, 5400', M sand Maximum Flow Rate, 2000

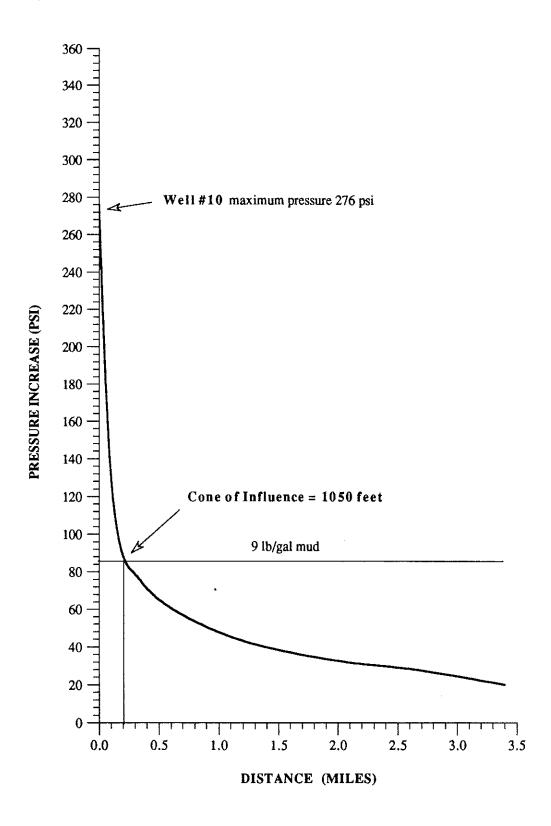
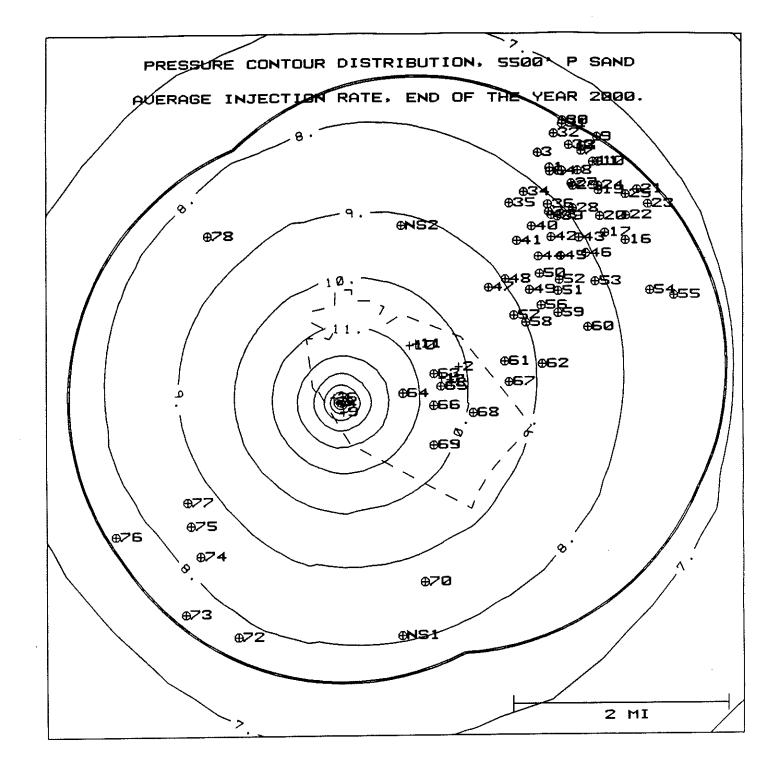


FIGURE 4-13: Calculated Cone of Influence - Sabine River Works Pressure Distribution Using Maximum Injection Rate in 5400' M Sand, Year 2000

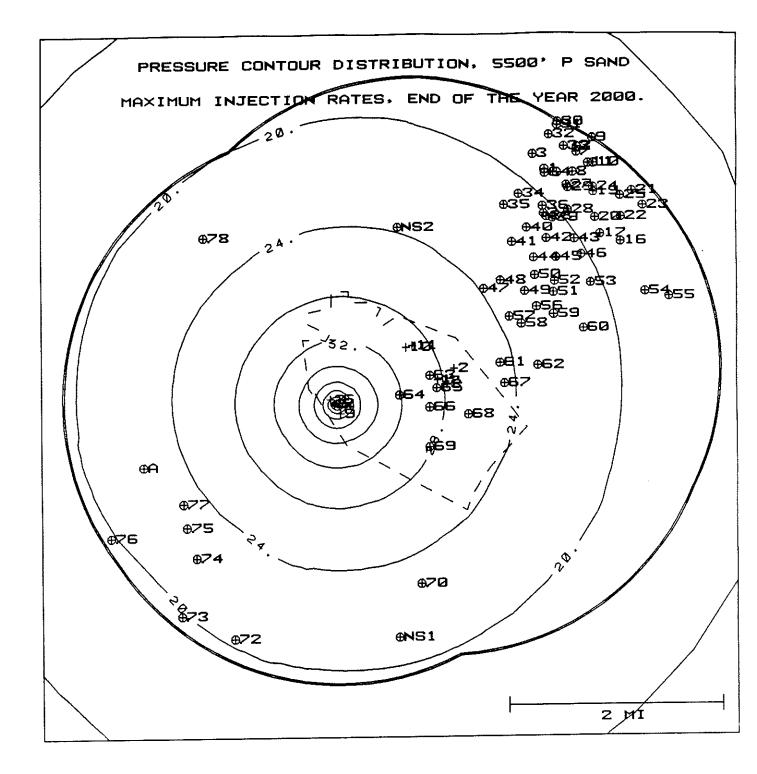


+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

Figure 4-14: Pressure Contour Plot. 5500'. P sand Average Flow Rate, 2000



+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

Figure 4-15: Pressure Contour Plot, 5500', P sand Maximum Flow Rate, 2000

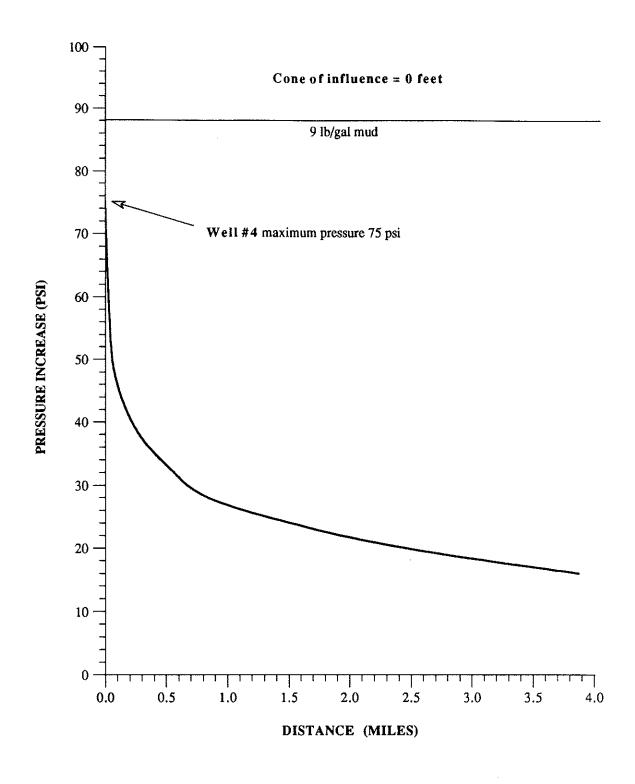
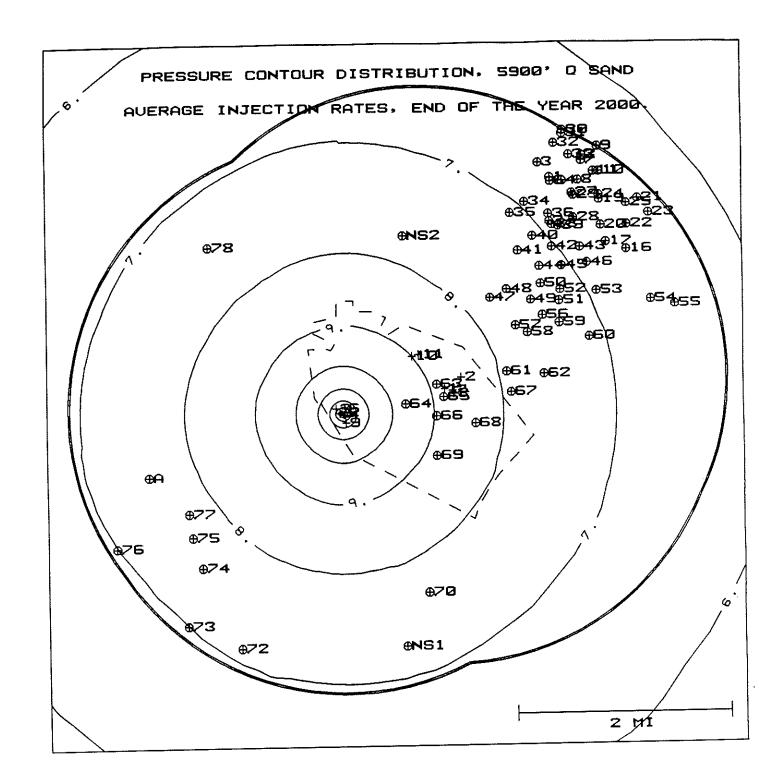


Figure 4-16: Calculated Cone of Influence - Sabine River Works Pressure Distribution Using Maximum Injection Rate in 5500' P Sand, Year 2000

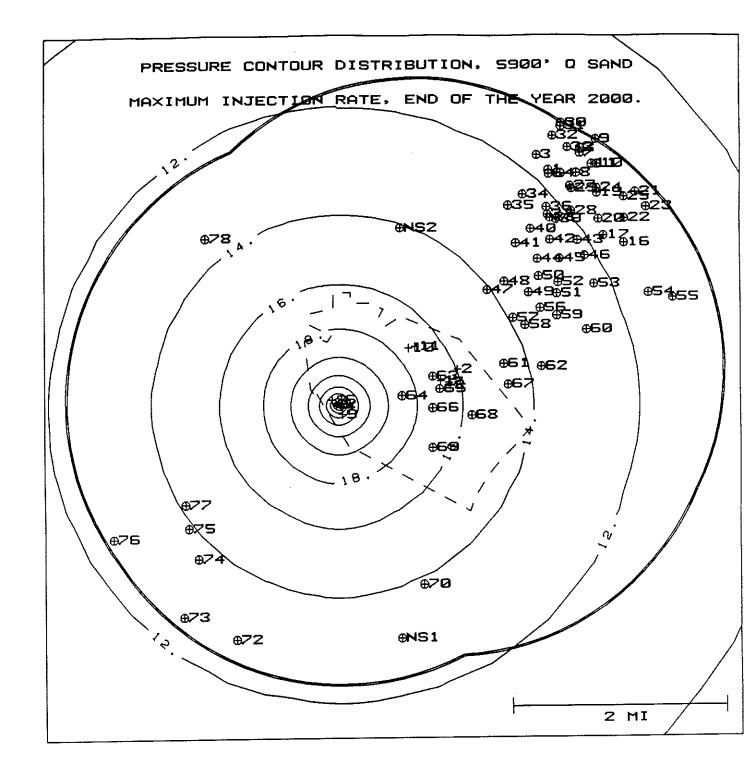


+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

Figure 4-17: Pressure Contour Plot, 5900'. Q sand Average Flow Rate, 2000



+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

Figure 4-18: Pressure Contour Plot. 5900', Q sand Maximum Flow Rate, 2000

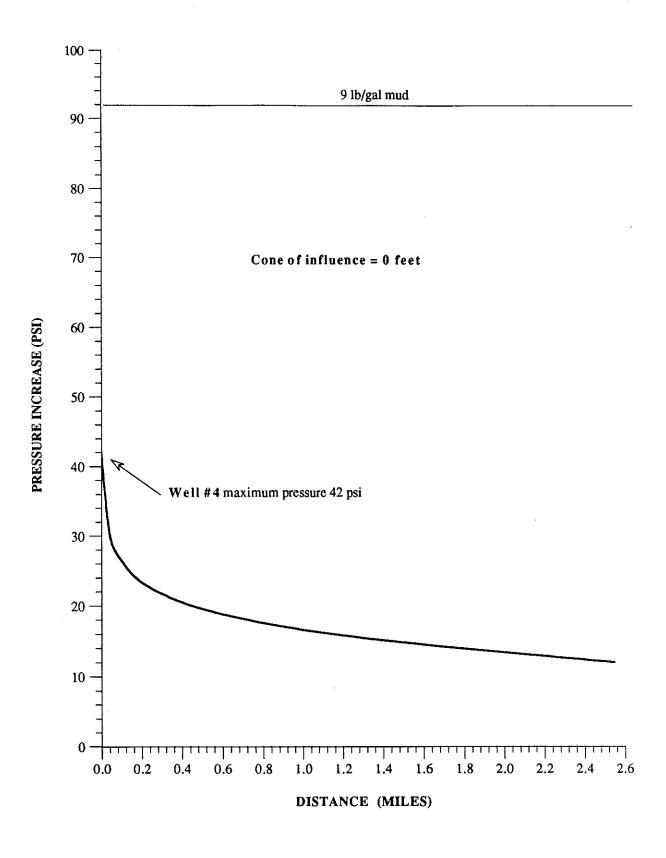
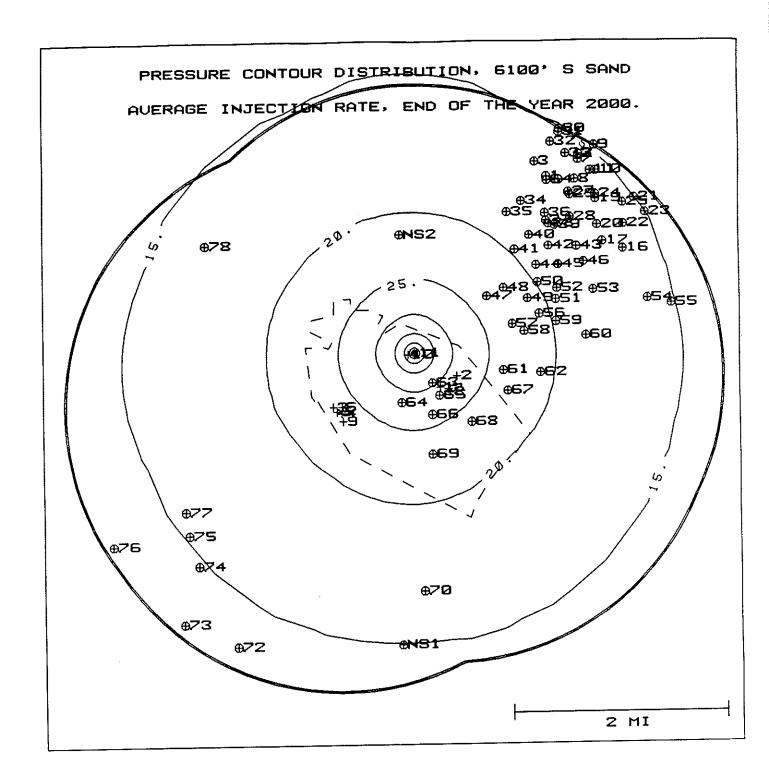


Figure 4-19: Calculated Cone of Influence - Sabine River Works Pressure Distribution Using Maximum Injection Rate in the 5900' Q sand, Year 2000



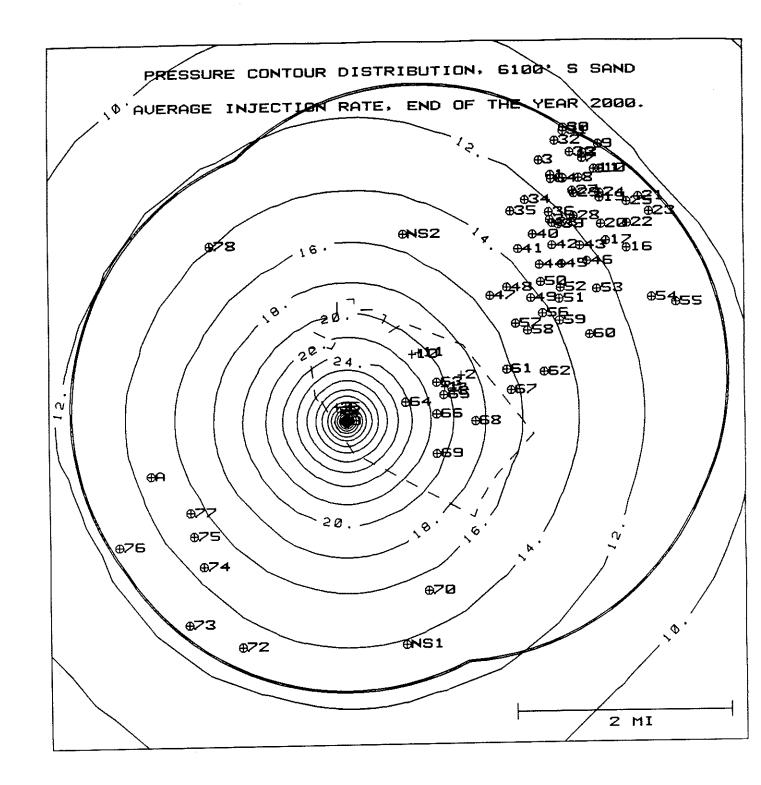
+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

-- = PLANT BOUNDARY

Figure 4-20: Pressure Contour Plot, 6100', S sand Average Flow Rate, 2000



+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

Figure 4-21: Pressure Contour Plot, 6100', S sand Maximum Flow Rate, 2000

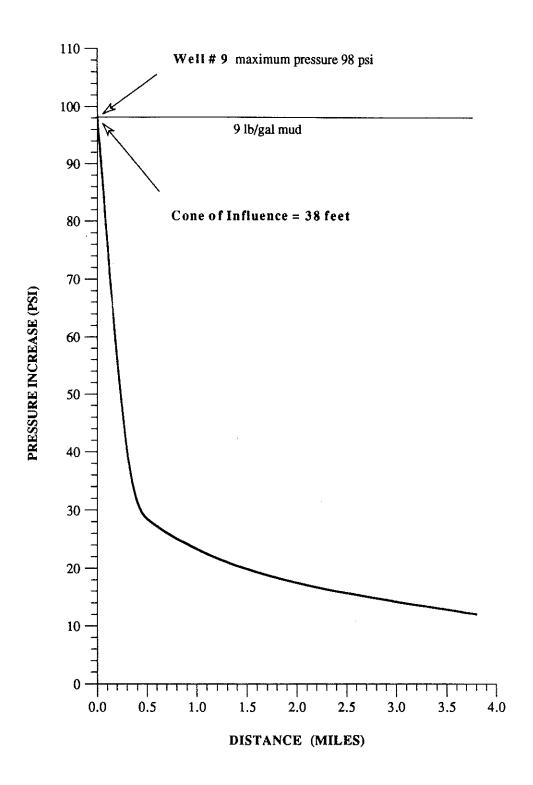
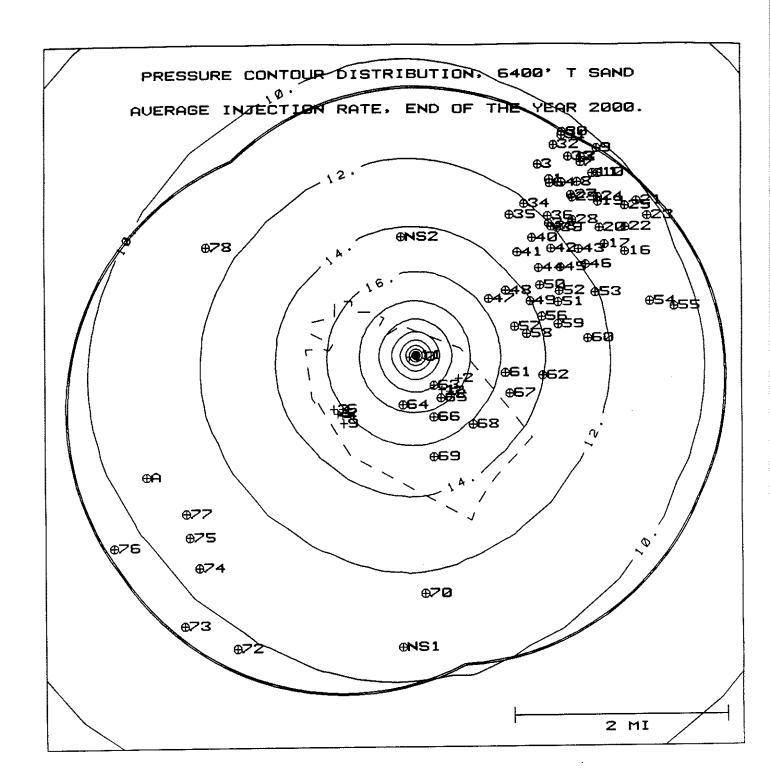


FIGURE 4-22: Calculated Cone of Influence - Sabine River Works
Pressure Distribution Using Maximum Injection Rate in 6100' S Sand, Year 2000

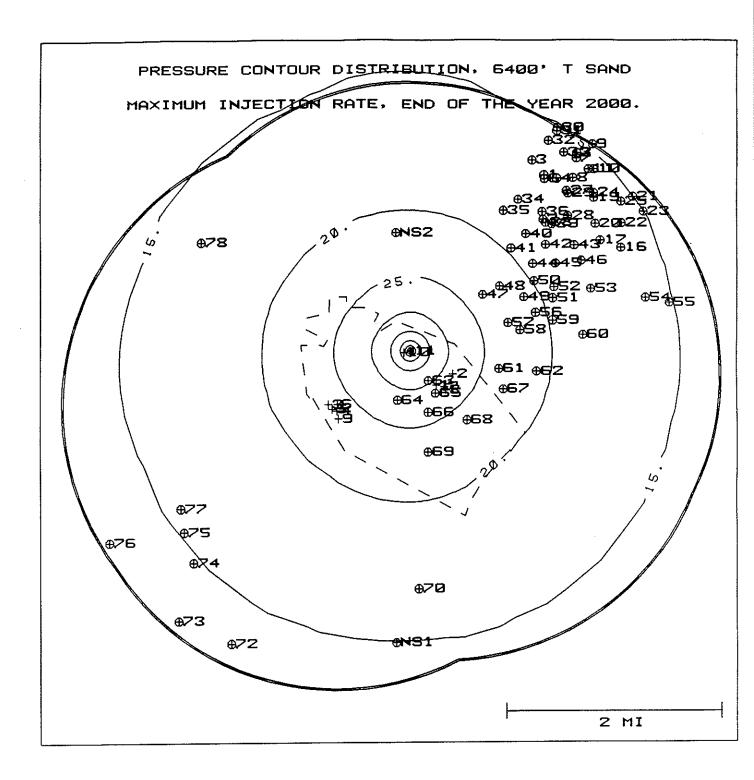


+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

Figure 4-23: Pressure Contour Plot, 6400', T sand Average Flow Rate, 2000



+ = ARTIFICIAL PENETRATION

= 2.5 MILE RADIUS

CI = 5 PSI

-- = PLANT BOUNDARY

Figure 4-24: Pressure Contour Plot. 6400', T sand Maximum Flow Rate, 2000

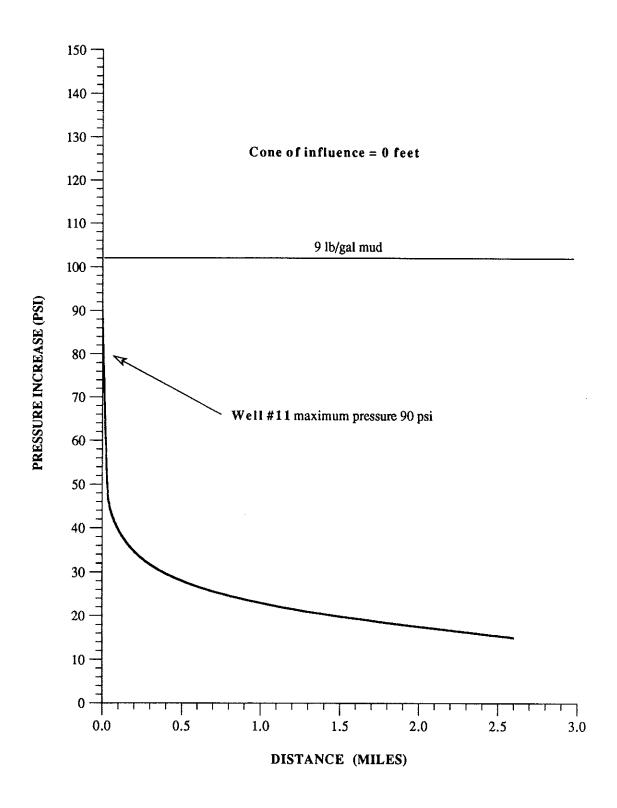


FIGURE 4-25: Calculated Cone of Influence - Sabine River Works
Pressure Distribution Using Maximum Injection Rate in the 6400' T Sand, Year 2000

MOLECULAR DIFFUSION IN MUD-FILLED BOREHOLES AT SABINE RIVER WORKS

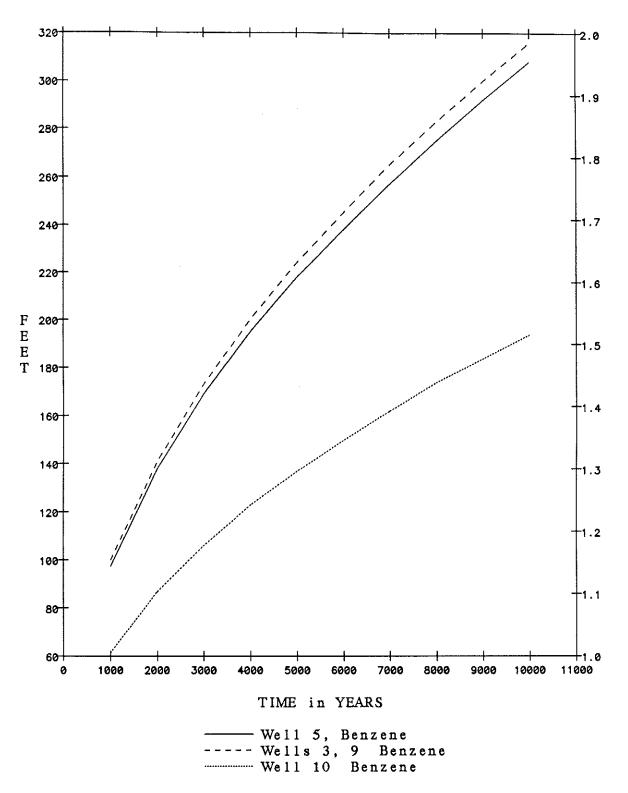


Figure 4-26: Molecular Diffusion Curve for Mud-Filled Boreholes

MOLECULAR DIFFUSION IN BRINE-FILLED BOREHOLES AT SABINE RIVER WORKS

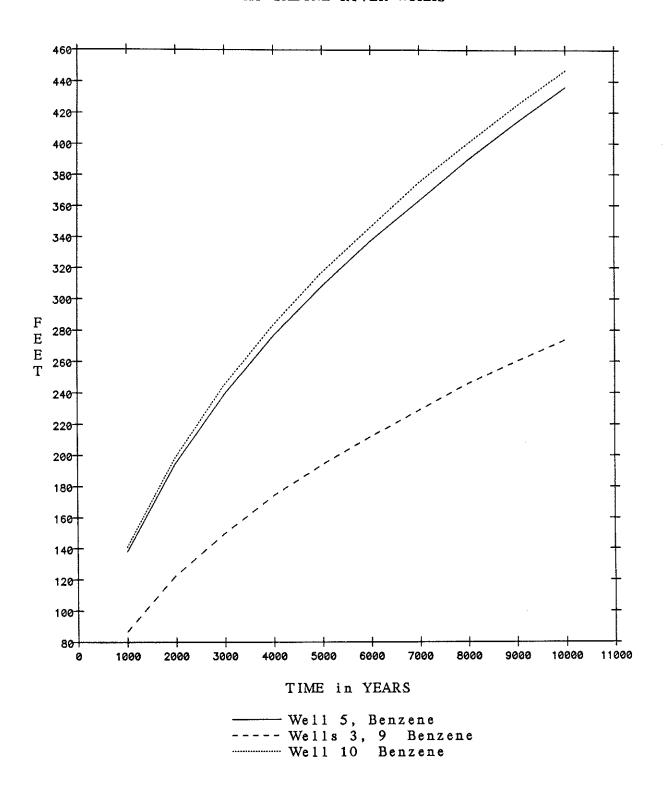


Figure 4-27: Molecular Diffusion Curves for Brine-Filled Boreholes

Plant: Sabine

Artificial Penetration #: 1

Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: Quinn Unit Revised, #1 Location: 573 ft. FEL and 522 ft. FSL of lease in the S

1/2 of Sec. 19, T 11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 8303 ft. Date Spudded: 11/9/52 **Drilling Method: Rotary** **API #: N/A** LDC #: 47220 Status: P & A

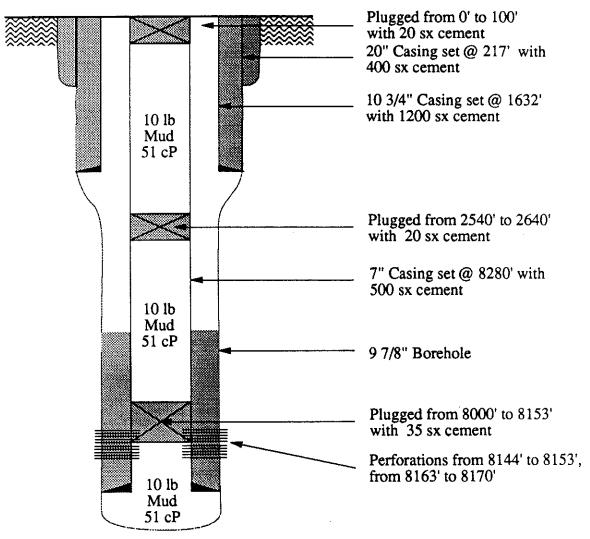
Date Plugged: 7/12/72 Distance to Injection: 11591' from

injection well #1

Elevation: 4.08 ft. (GL), 18.68 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8283'

Figure 4-28

Plant: Sabine

Artificial Penetration #: 2

Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: Gilmer Unit, #1

Location: 100 ft. FEL and 1470 ft. FSL of lease in the S 1/2 of Sec. 19, T 11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 8150 ft. Date Spudded: 11/9/51 Drilling Method: Rotary

API #: N/A LDC #: 44467 Status: P & A

Date Plugged: 2/28/77 Distance to Injection: 13268 ft from

injection well #1

Elevation: 4.35 ft. (GL), 19.15 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

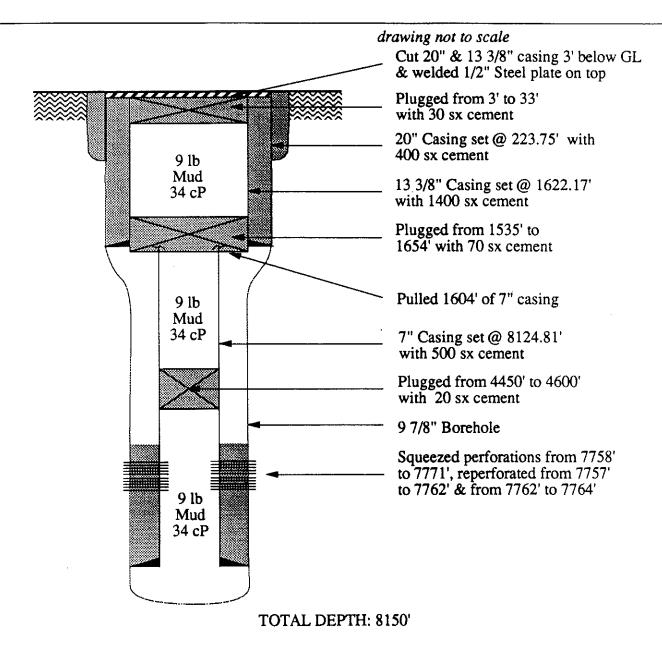


Figure 4-29

Plant: Sabine

Artificial Penetration #: 3

Orig. Operator: The Ohio Oil Co.

Curr. Operator: Levingston Ship Building Co. Lease / Well #: Price Unit, #1

Location: 2352.26 ft. W and 1183.81 ft. N of SE cor. of Sec. 19, T 11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 8108 ft. Date Spudded: 4/3/53 **Drilling Method: Rotary**

API #: N/A LDC #: 48222 Status: P&A

Date Plugged: 8/19/55

Distance to Injection: 12039 ft. from

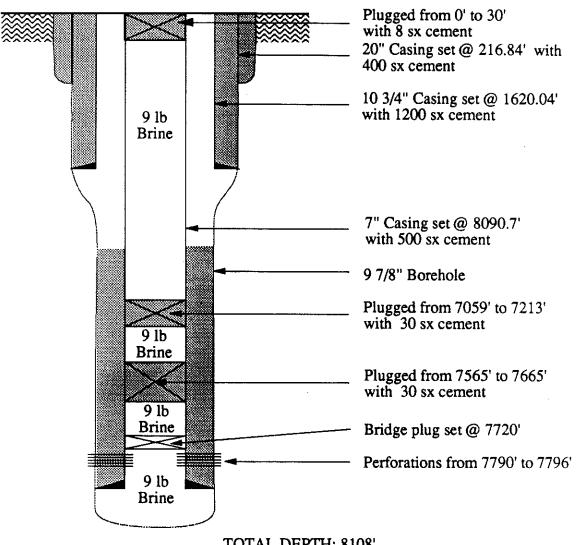
injection well #1

Elevation: 4 ft. (GL), 17 ft. (KB)

Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8108'

Figure 4-30

Plant: Sabine

Artificial Penetration #: 4

Orig. Operator: The Ohio Oil Co.
Curr. Operator: Marathon Oil Co.
Lease / Well #: Ohio-Levingston-Quinn Unit, #1
Location: 330 ft. N and 1119 ft. W of SE cor. of Sec.
19, T 11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 8175 ft. Date Spudded: 5/26/52 Drilling Method: Rotary **API #: N/A** LDC #: 45506 Status: P&A

Date Plugged: 7/11/72

Distance to Injection: 11725 ft. from injection well #1

Elevation: 3.24 ft. (GL), 17.16 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

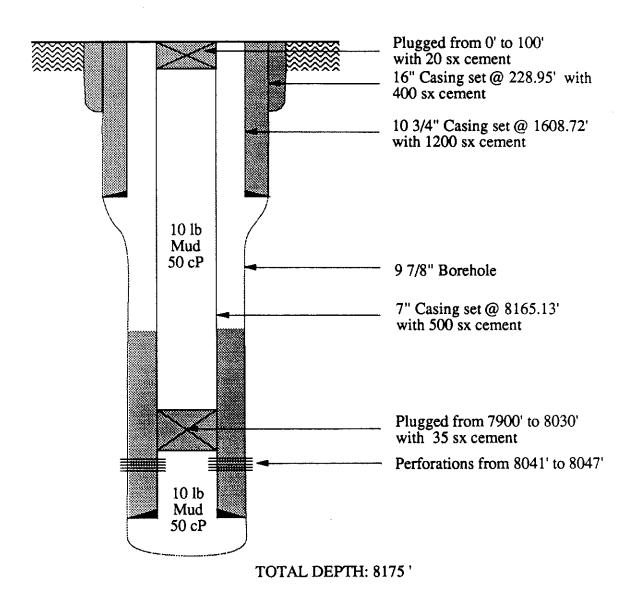


Figure 4-31

Plant: Sabine

Artificial Penetration #: 6

Orig. Operator: The Ohio Oil Co.
Curr. Operator: Marathon Oil Co.
Lease / Well #: Ohio-Levingston-Quinn Rev., #2
Location: 630 ft. FEL and 130 ft. N of the SE cor. of

Sec. 19, T 11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 8700 ft. **Date Spudded: 10/15/53 Drilling Method: Rotary** **API #:** N/A LDC #: 49825 Status: P & A

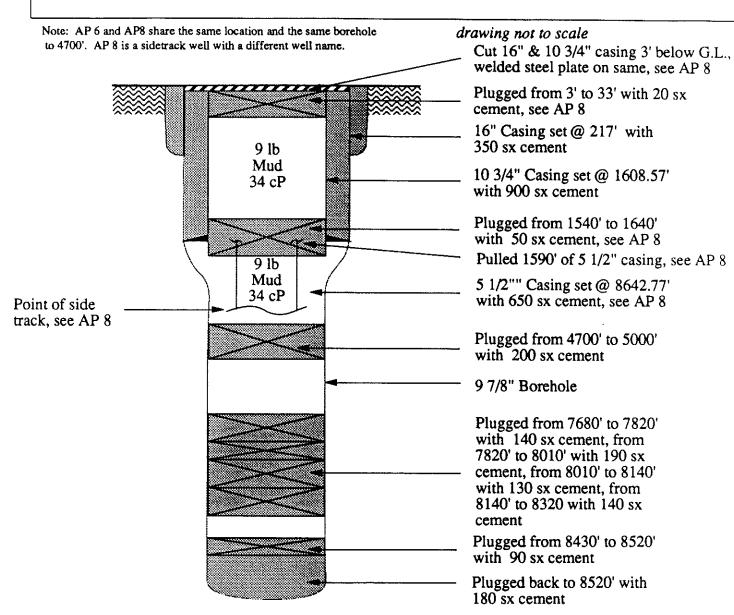
Date Plugged: 4/12/53

Distance to Injection: 11440 ft from

injection well #1

Elevation: 5.51 ft. (GL), 21.61 ft. (KB) Data Sources: Electric log, state forms,

scout tickets



TOTAL DEPTH: 8700'

Figure 4-32

Plant: Sabine

Artificial Penetration #: 7

Orig. Operator: The Ohio Oil Co.
Curr. Operator: Marathon Oil Co.
Lease / Well #: Ohio-Levingston-Gilmer Unit, #3
Location: 100 ft. FEL and 1270 ft. FSL of Sec. 19, T

11 S, R 13 W; Calcasieu Parish, La. Total Depth: 8605 ft. Date Spudded: 8/25/53 Drilling Method: Rotary

API #: N/A LDC #: 49220 Status: P & A

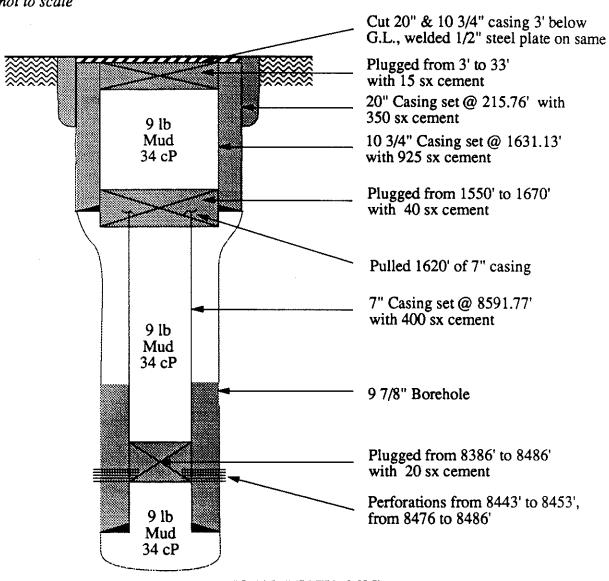
Date Plugged: 3/4/77

Distance to Injection: 13045 ft from injection well #1

Elevation: 3.18 ft. (GL), 18.08 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8605'

Figure 4-33

Plant: Sabine

Artificial Penetration #: 8

Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: Gilmer Unit Revised, #4

Location: 630 ft. FEL and 130 ft. N of the SE cor. of

Sec. 19, T 11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 8648 ft.
Date Spudded: 10/15/53
Drilling Method: Rotary

API #: N/A LDC #: 50509 Status: P & A

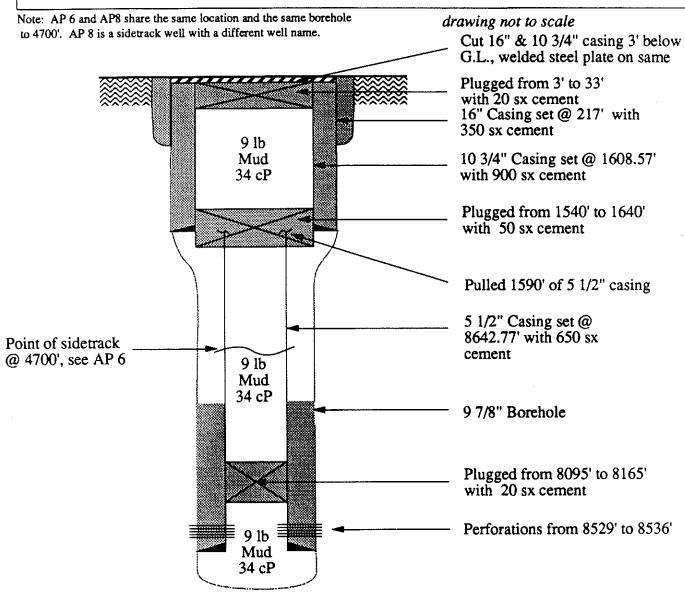
Date Plugged: 2/23/77

Distance to Injection: 12130 ft from

injection well #1

Elevation: 5.51 ft. (GL), 21.61 ft. (KB) Data Sources: Electric log, state forms,

scout tickets



TOTAL DEPTH: 8648'

Figure 4-34

Plant: Sabine

Artificial Penetration #: 10 Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co.

Curr. Operator: Marathon Oil Co. Lease / Well #: Annie Gilmer A/C 2, #1

Location: 660 ft. FSL and 660 ft. FWL of Sec. 20, T

11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 8226 ft. Date Spudded: 8/15/51 Drilling Method: Rotary

API #: N/A **LDC #:** 43930

Status: Active Oil Well Date Plugged: NA

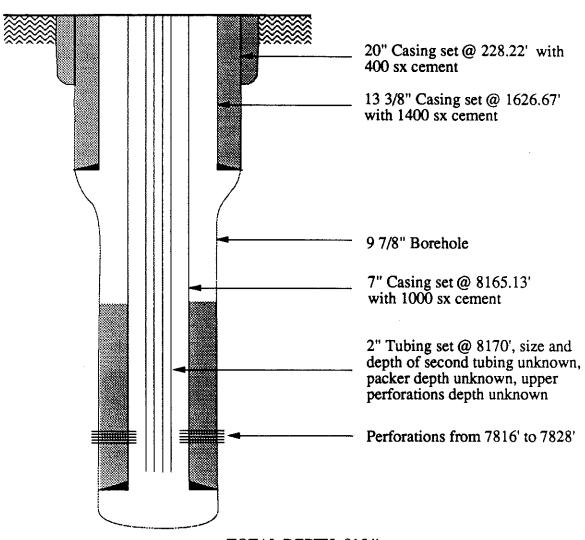
Distance to Injection: 13046 ft. from

injection well #1

Elevation: 4.40 ft. (GL), 18.65 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8154'

Figure 4-35

Plant: Sabine

Artificial Penetration #: 11

Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: Annie Gilmer A/C 2. #

Lease / Well #: Annie Gilmer A/C 2, #2 Location: 1300 ft. N and 380 ft. E of SW cor. of Sec.

20, T 11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 8735 ft. Date Spudded: 7/16/53 Drilling Method: Rotary **API #:** N/A **LDC #:** 49158

Status: Active Oil Well Date Plugged: NA

Distance to Injection: 12893 ft. from

injection well #1

Elevation: 3.35 ft. (GL), 18.25 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

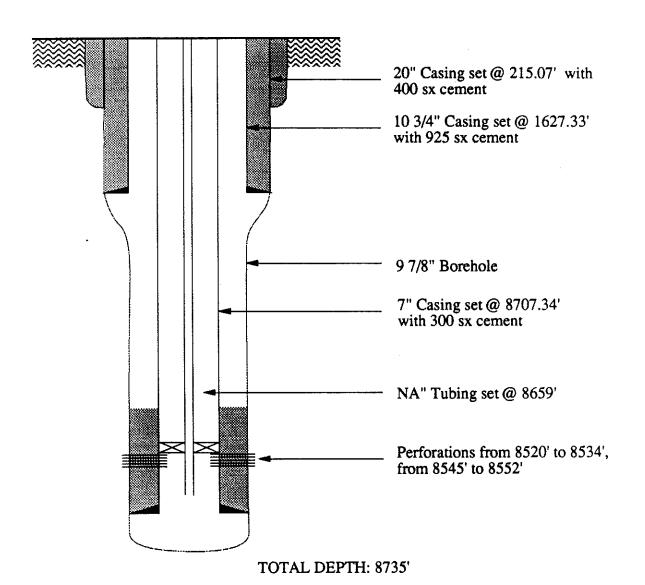


Figure 4-36

Plant: Sabine

Artificial Penetration #: 16

Orig. Operator: The Ohio Oil Co.

Curr. Operator:

Lease / Well #: H. J. L. Stark A/C Well #1

Location: 3206 ft. FNL and 1888 ft. FWL of Sec. 29, T

11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 9000 ft. **Date Spudded:** 10/26/51 Drilling Method: Rotary API #: N/A LDC #: 44140 Status: P & A

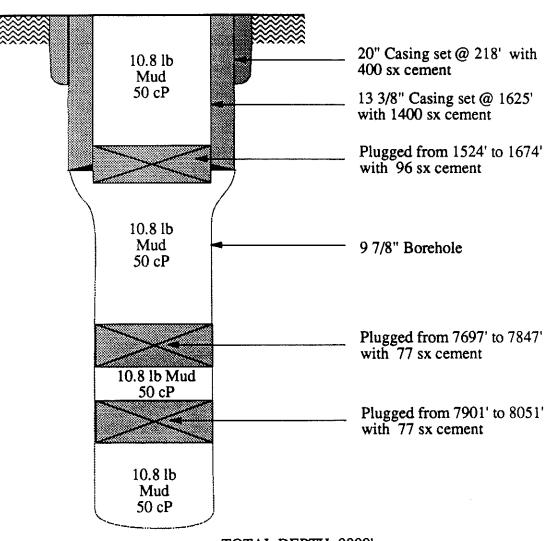
Date Plugged: 11/21/51
Distance to Injection: 11081 ft from

injection well #1

Elevation: 4.5 ft. (GL), 19 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 9000'

drawn by: G. B. 7/17/89 checked by: R.M. 12/14/89

Figure 4-37

Plant: Sabine

Artificial Penetration #: 17

Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: Lutcher-Moore La. St. 1717/VU A;

Lutcher-Moore State 1717

Location: 3206 ft. FNL and 1886 ft. FWL of Sec. 29, T

11 S, R 13 W; Calcasieu Parish, La. Total Depth: 8237 ft.

Date Spudded: 3/30/52 Drilling Method: Rotary

API #: N/A LDC #: 45389

Status: Active Oil Well

Date Plugged: NA

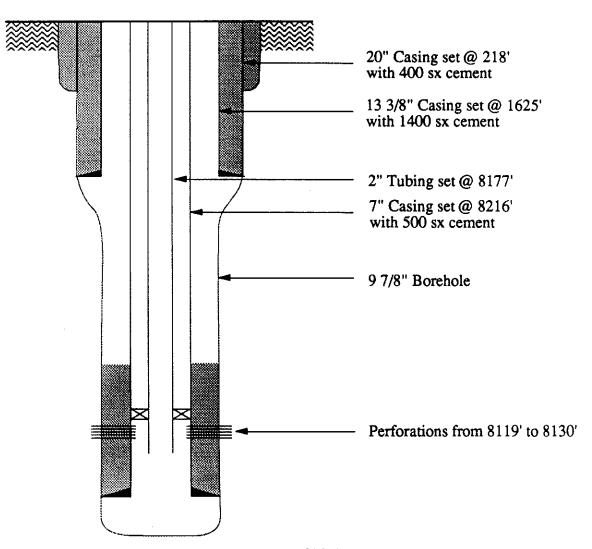
Distance to Injection: 10560 ft. from

injection well #1

Elevation: 4.5 ft. (GL), 20 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8237'

drawn by: G. B. 7/17/89 checked by: R.M. 12/14/89

Figure 4-38

Plant: Sabine

Artificial Penetration #: 19 Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: E. W. Brown Jr., #11

Location: 660 ft. FNL and 660 ft. FWL of Sec. 29, T

11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 8143 ft. Date Spudded: 8/19/51 Drilling Method: Rotary

API #: N/A LDC #: 43910 Status: P&A

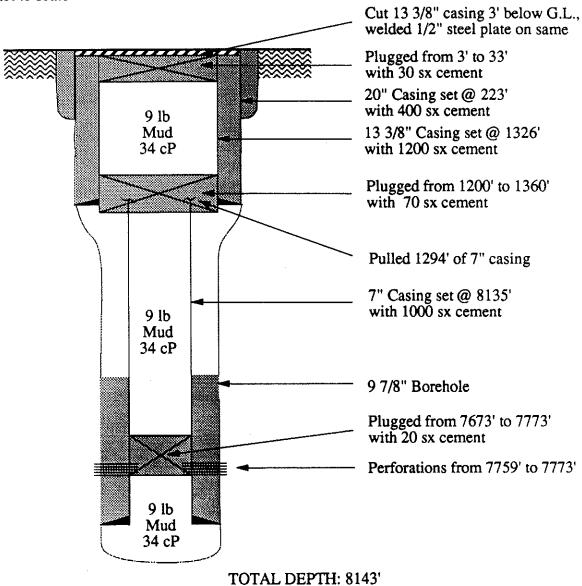
Date Plugged: 2/10/77
Distance to Injection: 11909 ft from

injection well #1

Elevation: 2.6 ft. (GL), 17 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



drawn by: G. B. 7/17/89

checked by: R.M. 12/14/89

Figure 4-39

Plant: Sabine

Artificial Penetration #: 20

Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: E. W. Brown Jr., #14

Location: 1980 ft. FNL and 660 ft. FWL of Sec. 29, T

11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 8080 ft. **Date Spudded:** 12/22/51 **Drilling Method: Rotary** API#: N/A LDC #: 44326 Status: P&A

Date Plugged: 7/28/82

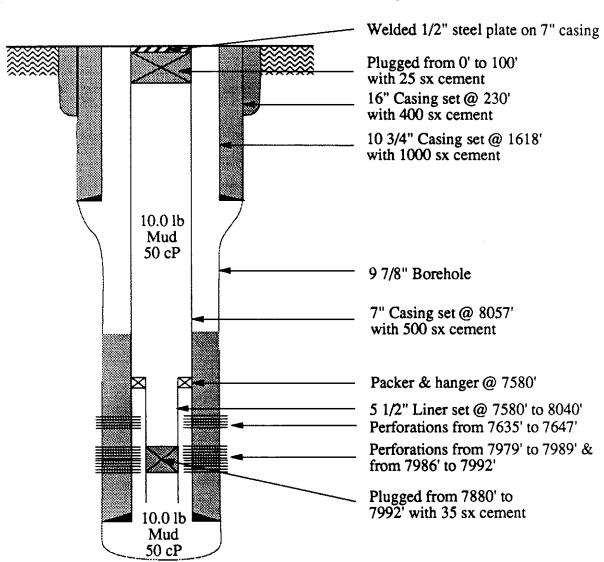
Distance to Injection: 10974 ft. from

injection well #1

Elevation: 4.5 ft. (GL), 19 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8080'

drawn by: G. B. 7/17/89 checked by: R.M. 12/14/89

Figure 4-40

Plant: Sabine

Artificial Penetration #: 21

Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: E. W. Brown Jr., #15

Location: 660 ft. FNL and 1980 ft. FWL of Sec. 29, T

11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 8161 ft. Date Spudded: 2/26/52 Drilling Method: Rotary API #: N/A LDC #: 45157 Status: P & A

Date Plugged: 3/18/77

Distance to Injection: 13199 ft from

injection well #1

Elevation: 5 ft. (GL), 17 ft. (KB)

Data Sources: Electric log, state forms,

scout tickets

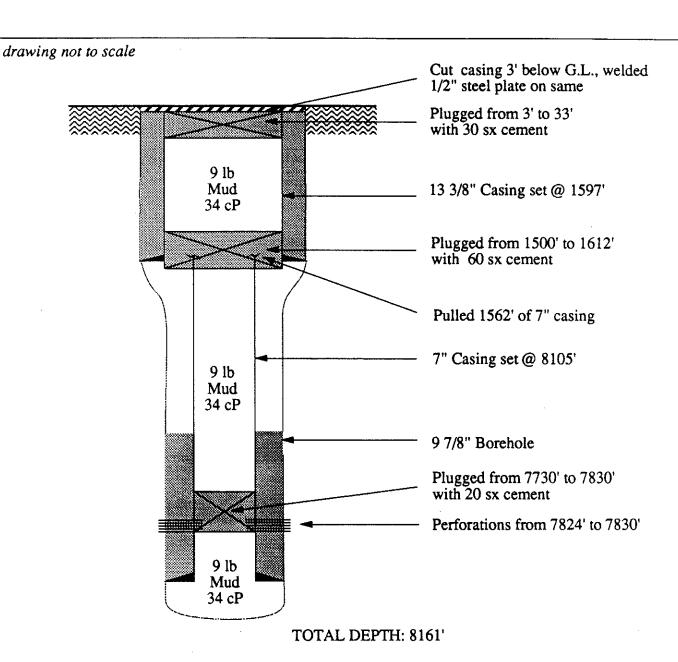


Figure 4-41

Plant: Sabine

Artificial Penetration #: 22

Orig. Operator: The Ohio Oil Co.
Curr. Operator: Marathon Oil Co.
Lease / Well #: E. W. Brown Jr., #17
Location: 1980 ft. FNL and 1980 ft. FWL of Sec. 29, T

11 S, R 13 W; Calcasieu Parish, La. Total Depth: 8088 ft.

Date Spudded: 5/7/52 Drilling Method: Rotary

API #: N/A LDC #: 45792 Status: P & A

Date Plugged: 7/17/72 Distance to Injection: 11901 ft from

injection well #1

Elevation: 5.6 ft. (GL), 19 ft. (KB)

Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

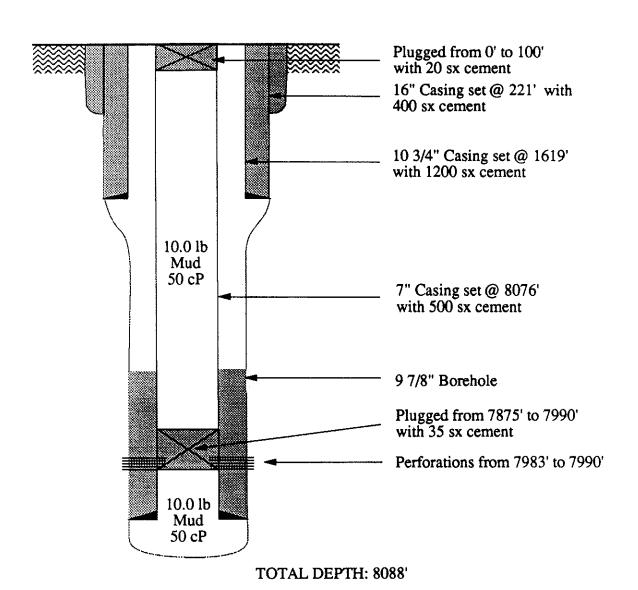


Figure 4-42

Plant: Sabine

Artificial Penetration #: 23 Orig. Operator: The Ohio Oil Co.

Curr. Operator: Marathon Oil Co. Lease / Well #: E. W. Brown Jr., #22

Location: 1420 ft. FNL and 2190 ft. FEL of Sec. 29, T

11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 8105 ft. Date Spudded: 9/2/52 Drilling Method: Rotary API #: N/A LDC #: 46542 Status: P&A

Date Plugged: 9/13/76

Distance to Injection: 13077 ft. from

injection well #1

Elevation: 3.8 ft. (GL), 18.5 ft. (KB) Data Sources: Electric log, state forms

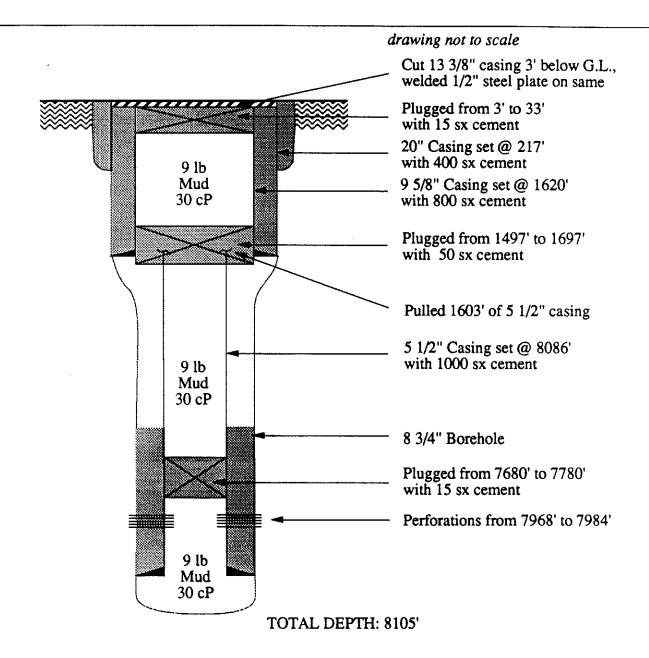


Figure 4-43

Plant: Sabine

Artificial Penetration #: 24

Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: E. W. Brown Jr., #29

Location: 460 ft. FNL and 660 ft. FWL of Sec. 29, T

11 S, R 13 W; Calcasieu Parish, La.

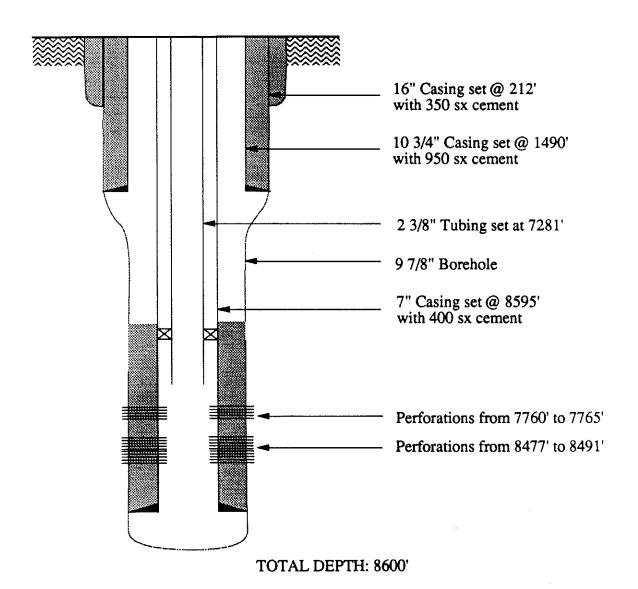
Total Depth: 8600 ft. Date Spudded: 9/10/53 **Drilling Method: Rotary** **API #:** N/A LDC #: 49219 Status: Active Oil Date Plugged: N/A

Distance to Injection: 12094 ft. from

injection well #1

Elevation: 3 ft. (GL), 18 ft. (KB) Data Sources: Electric log, state forms

drawing not to scale



drawn by: R.M. 7/17/89

checked by: G.B. 12/14/89

Figure 4-44

Plant: Sabine

Artificial Penetration #: 25

Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: E. W. Brown Jr., #31

Location: 1980 ft. FWL and 910 ft. FNL of Sec. 29, T

11 S, R 13 W; Calcasieu Parish, La. **Total Depth:** 8677 ft.

Date Spudded: 9/20/53 Drilling Method: Rotary **API #: N/A** LDC #: 49510 Status: P&A

Date Plugged: 4/22/77

Distance to Injection: 12636 ft. from

injection well #1

Elevation: 3.8 ft. (GL), 18.5 ft. (KB) Data Sources: Electric log, state forms

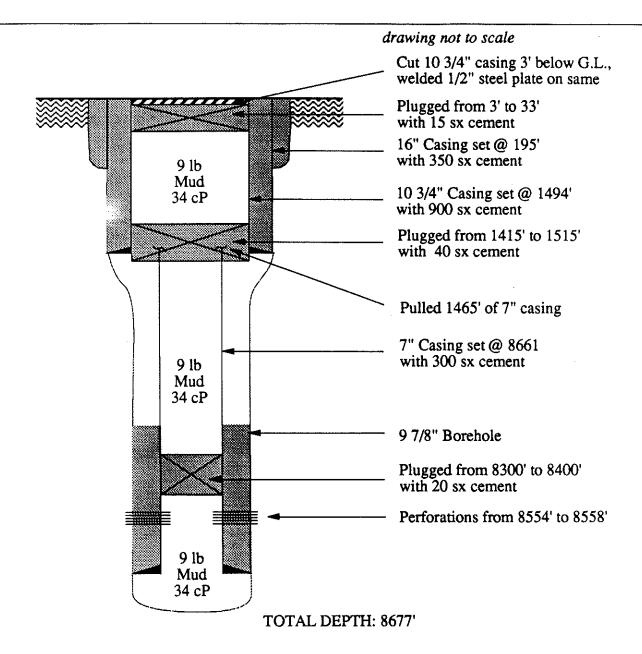


Figure 4-45

Plant: Sabine

Artificial Penetration #: 27

Orig. Operator: Phillips Petroleum Co.

Curr. Operator:

Lease / Well #: Lutcher-Moore #1

Location: 330 ft. FNL and 660 ft. FEL of Sec. 30, T 11

S, R 13 W; Calcasieu Parish, La.

Total Depth: 8115 ft. Date Spudded: 2/20/52 Drilling Method: Rotary API #: N/A LDC #: 44955 Status: P&A

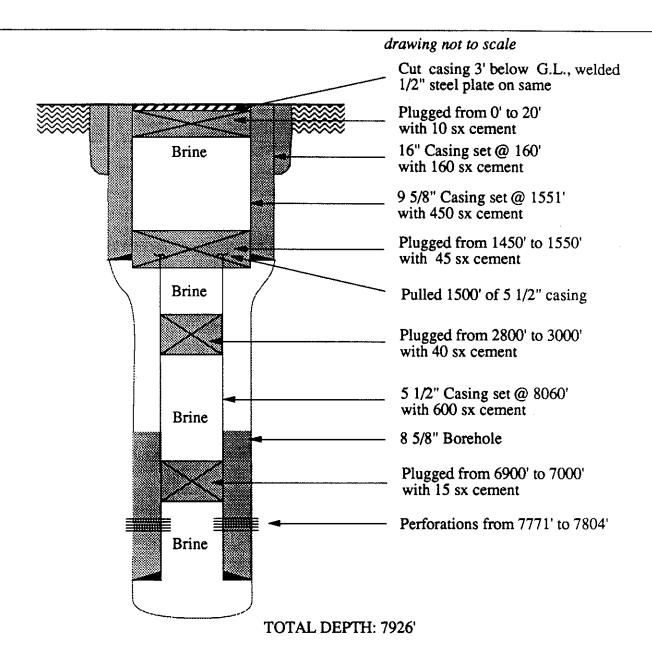
Date Plugged: 2/14/69

Distance to Injection: 11434 ft. from

injection well #1

Elevation: 5.0 ft. (GL), 18.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets



drawn by: R.M. 7/17/89 checked by: G.B. 12/14/89

Figure 4-46

Plant: Sabine

Artificial Penetration #: 28

Orig. Operator: Phillips Petroleum Co.

Curr. Operator:

Lease / Well #: Lutcher-Moore State Unit #2

Location: 1600 ft. FNL and 330 ft. FEL of Sec. 30, T

11 S, R 13 W; Calcasieu Parish, La.

Total Depth: 8084 ft. Date Spudded: 5/1/52 Drilling Method: Rotary API #: N/A LDC #: 45719 Status: P&A

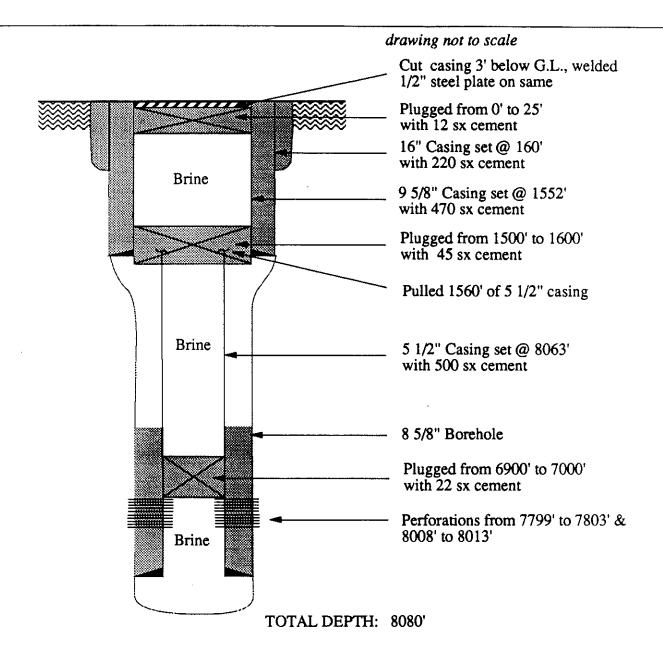
Date Plugged: 2/17/69

Distance to Injection: 10439 ft. from

injection well #1

Elevation: 3.9 ft. (GL), 16.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets



drawn by: R.M. 7/17/89 checked by: G.B. 12/14/89

Figure 4-47

Plant: Sabine

Artificial Penetration #: 29

Orig. Operator: Phillips Petroleum Co.

Curr. Operator:

Lease / Well #: Lutcher-Moore State Unit #3

Location: 430 ft. FNL and 660 ft. FEL of Sec. 30, T 11

S, R 13 W; Calcasieu Parish, La.

Total Depth: 8520 ft. Date Spudded: 11/17/53 Drilling Method: Rotary

API #: N/A LDC #: 50437 Status: P&A

Date Plugged: 8/28/69

Distance to Injection: 11365 ft. from

injection well #1

Elevation: 2.0 ft. (GL), 13.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

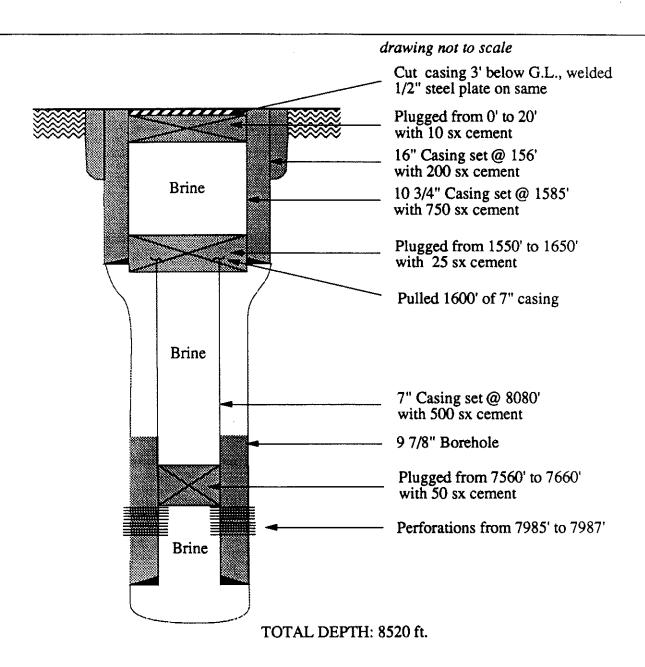


Figure 4-48

Plant: Sabine

Artificial Penetration #: 30

Orig. Operator: Consolidated Western Steel

Curr. Operator:

Lease / Well #: Consolidated Western Steel #2

Location: A.W. Wright Survey A-204; 307 ft. from NE corner and 202 ft. FEL of lease; Orange County, Texas

Total Depth: 8103 ft. Date Spudded: 2/13/53 **Drilling Method: Rotary** **API #: N/A** RRC#: N/A Status: P&A

Date Plugged: 7/4/60 Distance to Injection: 13952 ft. from

injection well #1

Elevation: 7.0 ft. (GL), N/A ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

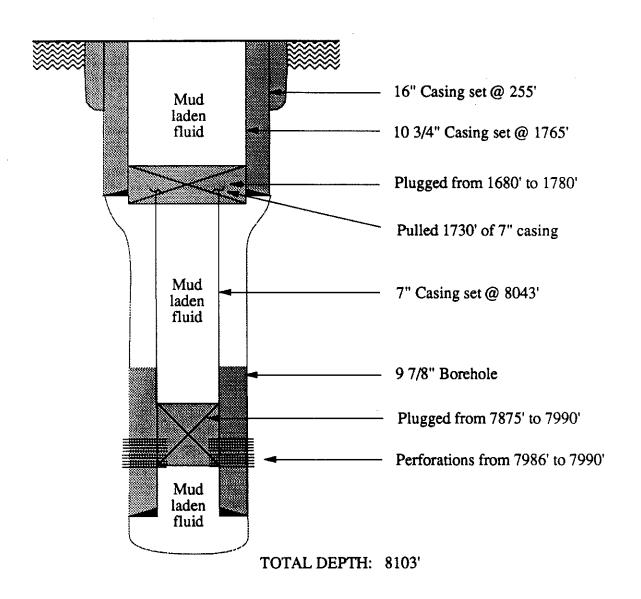


Figure 4-49

Plant: Sabine

Artificial Penetration #: 31

Orig. Operator: The Ohio Oil Co.
Curr. Operator: Marathon Oil Co.

Lease / Well #: CWS-Texas State Unit #1

Location: A.W. Wright Survey A-204; 660 ft. FEL and 2300 ft. FSL of lease; Orange County, Texas

Total Depth: 7970 ft.
Date Spudded: 12/31/52
Drilling Method: Rotary

API #: N/A RRC #: N/A Status: P&A

Date Plugged: 2/22/63

Distance to Injection: 13805 ft. from

injection well #1

Elevation: 7.0 ft. (GL), 21.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

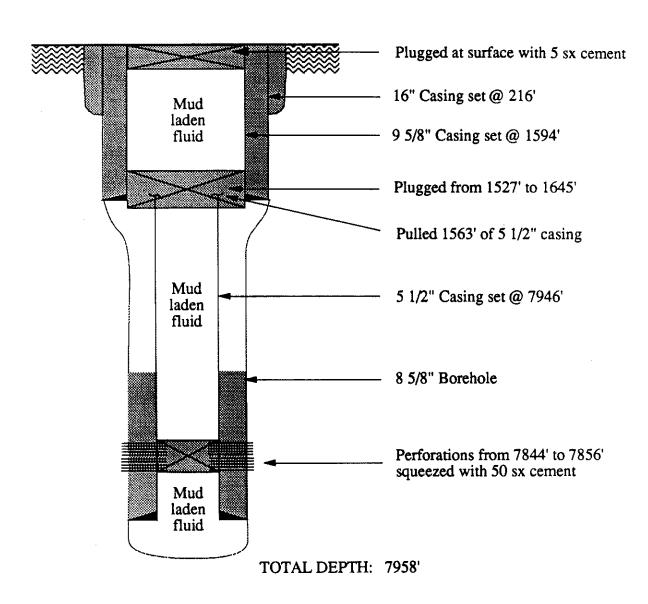


Figure 4-50

Plant: Sabine

Artificia¹ Penetration #: 32

Orig. Operator: Consolidated Western Steel

Curr. Operator:

Lease / Well #: Consolidated Western Steel #1 Location: A.W. Wright Survey A-204; SW 17deg 13min 2297.98 ft. from NE cor. and 66 ft. FSL of

Survey; Orange County, Texas Total Depth: 8054 ft. Date Spudded: 5/25/52 **Drilling Method: Rotary**

API #: N/A RRC #: N/A Status: P&A

Date Plugged: 2/16/63 Distance to Injection: 13207 ft. from

injection well #1

Elevation: 6.0 ft. (GL), 15.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

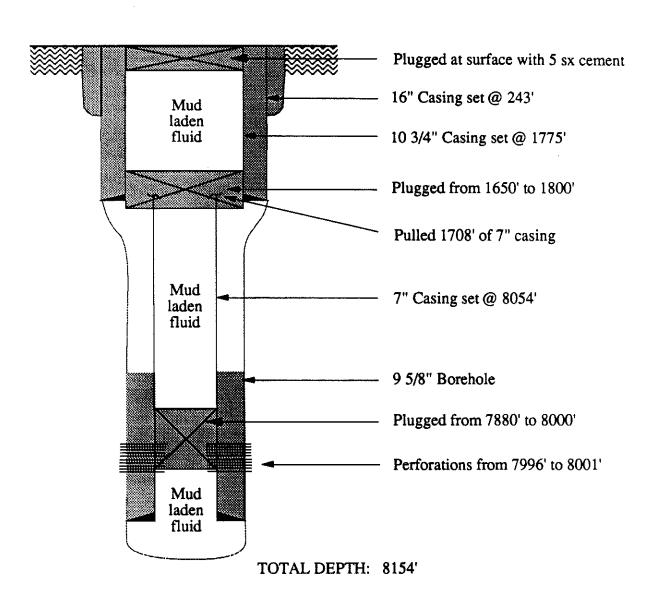


Figure 4-51

Plant: Sabine

Artificial Penetration #: 33

Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co.

Lease / Well #: CWS Unit #1

Location: A.W. Wright Survey A-204; S 10deg 26.8min W 861.8 ft. from NE cor. of lease; Orange

County, Texas

Total Depth: 8697 ft. Date Spudded: 12/2/53 Drilling Method: Rotary API #: N/A RRC #: N/A Status: P&A

Date Plugged: 4/13/72 Distance to Injection: 13207 ft. from

injection well #1

Elevation: 6.0 ft. (GL), 15.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

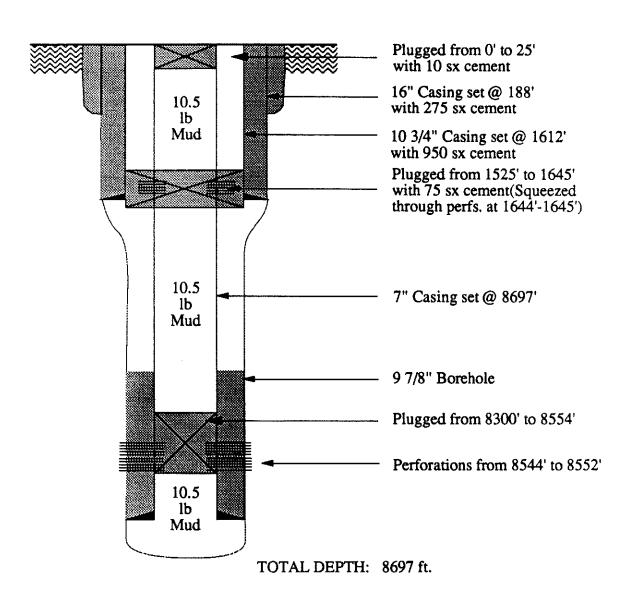


Figure 4-52

Plant: Sabine

Artificial Penetration #: 34 Orig. Operator: Wood Petroleum

Curr. Operator:

Lease / Well #: Lutcher-Moore Lumber Co. #1 Location: A. Calder A-56 Survey, 20.87 ft. S. and 784.48 ft.W of NE cor. of survey; Orange County, Tx.

TD: 8051 ft.

Date Spudded: 7/9/52 Drilling Method: Rotary **API #: N/A** RRC#: N/A Status: P & A

Date Plugged: 6/25/54
Distance to Injection: 10005 ft. from

injection well #1

Elevation: 7 ft. (GL), N/A ft. (KB)

Data Sources: Electric log, State forms

and Scout tickets

drawing not to scale

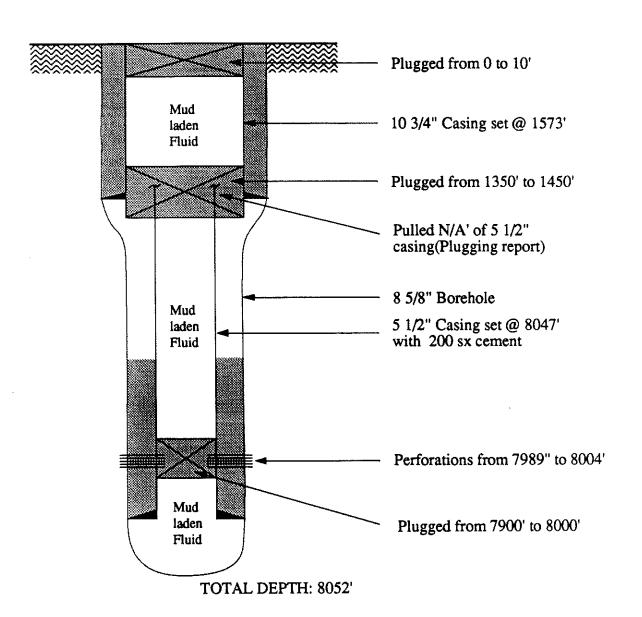


Figure 4-53

Plant: Sabine

Artificial Penetration #: 35 Orig. Operator: J. Robert Neal

Curr. Operator:

Lease / Well #: Lutcher-Moore Lumber Co. #1 Location: A. Calder A-56 Survey, 1150 ft. FNEL and

486.5 ft. FSL of lease; Orange County, Tx.

TD: 8500 ft.

Date Spudded: 3/17/55 Drilling Method: Rotary API #: N/A RRC#: N/A Status: P & A

Date Plugged: 11/11/71

Distance to Injection: 9248 ft. from

injection well #1

Elevation: N/A ft. (GL), 27 ft. (KB) **Data Sources:** Electric log, State forms (TWC plugging report), and Scout tickets

drawing not to scale

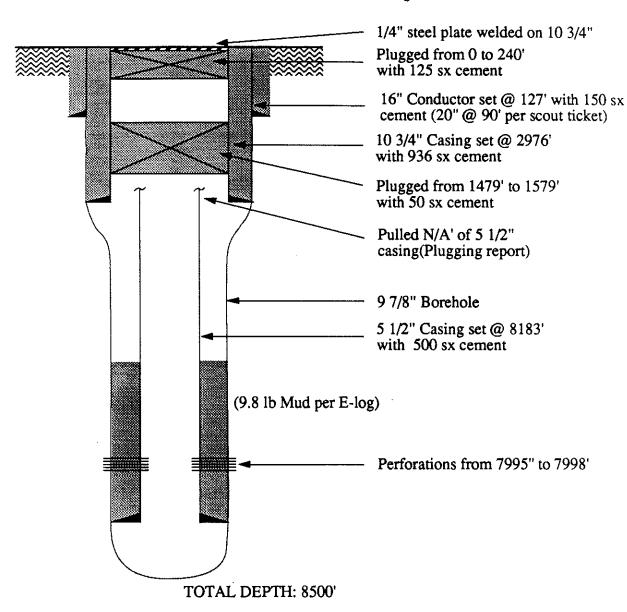


Figure 4-54

Plant: Sabine

Artificial Penetration #: 36 Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: Texas State 36027 #3

Location: A. Richey Survey A-157; 2207.52 ft. N and 1257.9 ft. W of SE corner

of lease; Orange County, Texas. Date Spudded: 12/24/53

Drilling Method: Rotary

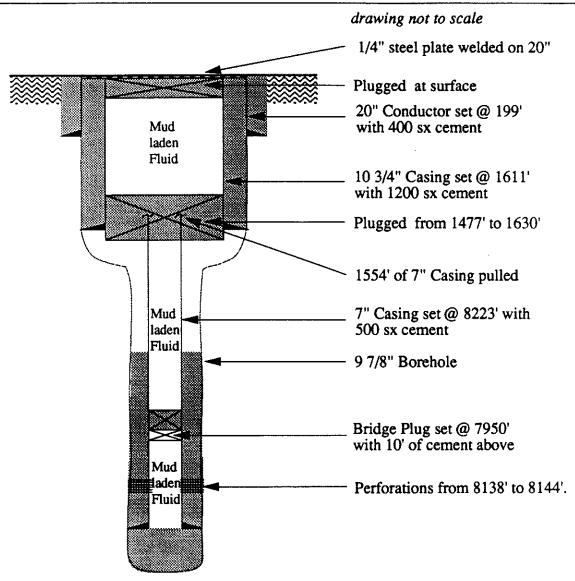
API#: N/A RRC#: N/A Status: P & A

Date Plugged: 4/16/63 Distance to Injection: 9954 ft. from

injection well # 1

Elevation: 6.0 ft. (GL), 16.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets



TOTAL DEPTH: 8261'

Figure 4-55

Plant: Sabine

Artificial Penetration #: 37 Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co.

Lease / Well #: Texas State 36027 #2

TD: 8528

Location: A. Richey Survey A-157; 895.65 ft. N and 616.83 ft. W of SE corner of lease;

Mud laden Fluid

Mud laden Fluid

Mud laden

Fluid

Mud

laden Fluid

Orange County, Texas. Date Spudded: 1/7/52 Drilling Method: Rotary API#: N/A RRC#: N/A Status: P & A

Date Plugged: 2/18/62; Replugged 3/26/73 Distance to Injection: 9778 ft. from

injection well # 1

Elevation: 7.0 ft. (GL), 22.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

1/2" steel plate welded on 20"

Plugged from 3' to 25' with 10 sx cement

20" Conductor set @ 188'

13 3/8" Casing set @ 1620'

Plugged from 1580' to 1625' with 50 sx cement

9 5/8" Casing set @ 5512'

Plugged from 3650' to 3800'

with 50 sx cement

3717' of 5 1/2" Casing pulled

5 1/2" Casing set @ 8454'

8 3/4" Borehole

Plugged from 8250' to 8350'

with 13 sx cement

Perforations from 8414' to 8426'.

TOTAL DEPTH: 8528'

Figure 4-56

Plant: Sabine

Artificial Penetration #: 38 Orig. Operator: The Ohio Oil Co.
Curr. Operator: Marathon Oil Co.
Lease / Well #: Texas Creosoting Co. #1

TD: 8075

Location: A. Richey Survey A-157; 1812.47 ft. N and 1068.68 ft. W of SE corner of lease; Orange County, Texas.

Date Spudded: 1/26/52 Drilling Method: Rotary

API#: N/A RRC#: N/A Status: P&A

Date Plugged: 10/28/81 Distance to Injection: 9628 ft. from

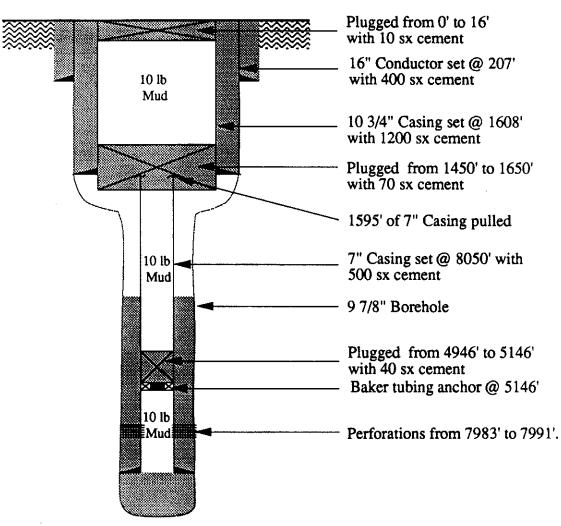
injection well # 1

Elevation: 6.0 ft. (GL), 19.0 ft. (KB)

Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8078'

Figure 4-57

Plant: Sabine

Artificial Penetration #: 39

Orig. Operator: King & Heyne Inc. Curr. Operator: Colorado Oil Co. Lease / Well #: Weaver Shipyard #1

TD: 8043

Location: A. Richey Survey A-157; 153.75 ft. FSWL and 417.9 ft. FNWL of lease;

Orange County, Texas. Date Spudded: 11/4/51 **Drilling Method: Rotary** API#: N/A RRC#: N/A Status: P&A

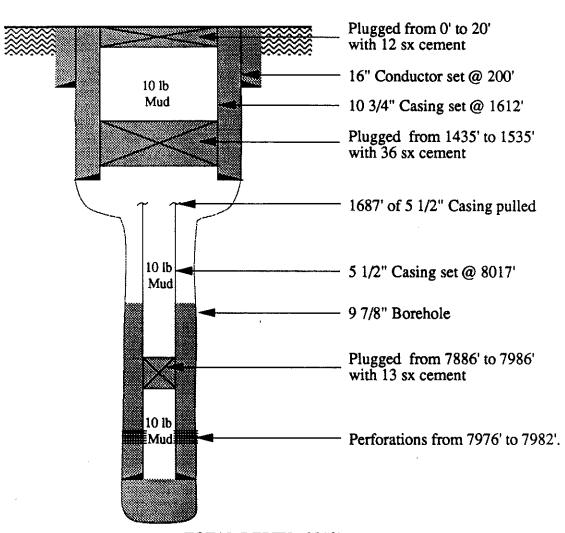
Date Plugged: 9/27/65 Distance to Injection: 9687 ft. from

injection well # 1

Elevation: 5.0 ft. (GL), 19.5 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8018'

Figure 4-58

Plant: Sabine

Artificial Penetration #: 40 Orig. Operator: The Ohio Oil Co.

Curr. Operator: Marathon Oil Co.. Lease / Well #: Lutcher-Moore Lumber Co. #3

TD: 8075

Location: A. Richey Survey A-157; 2090 ft. FEL and 1200 ft. FSL of lease; Orange County,

Date Spudded: 2/22/52 **Drilling Method: Rotary**

API#: N/A RRC#: N/A Status: P&A

Date Plugged: 10/19/64 Distance to Injection: 8645 ft. from

injection well # 1

Elevation: 7.0 ft. (GL), N/A ft. (KB) Data Sources: Electric log, state forms,

scout tickets

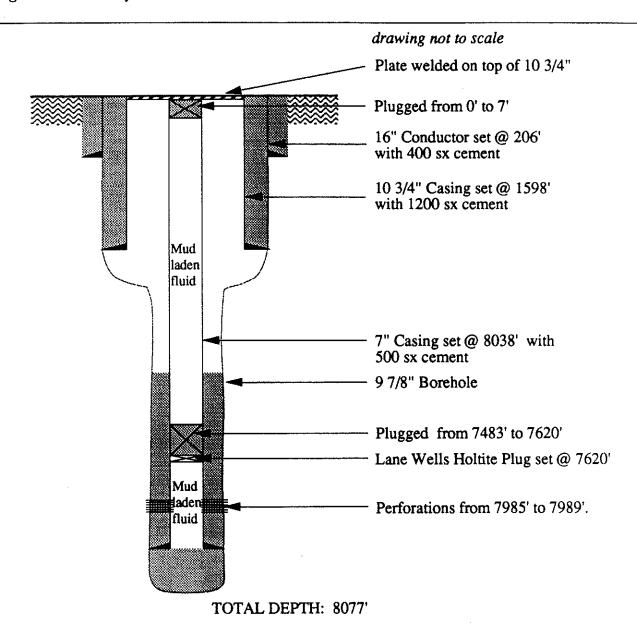


Figure 4-59

Plant: Sabine

Artificial Penetration #: 41 Orig. Operator: The Ohio Oil Co. Curr. Operator:

Lease / Well #: Lutcher-Moore Lumber Co.

Odom Unit #1 **TD:** 8101

Location: A. Richey Survey A-157; 2755 ft. W and 35 ft. N of SW corner of lease; Orange

County, Texas.

Date Spudded: 1/9/53 Drilling Method: Rotary API#: N/A RRC#: N/A Status: P&A

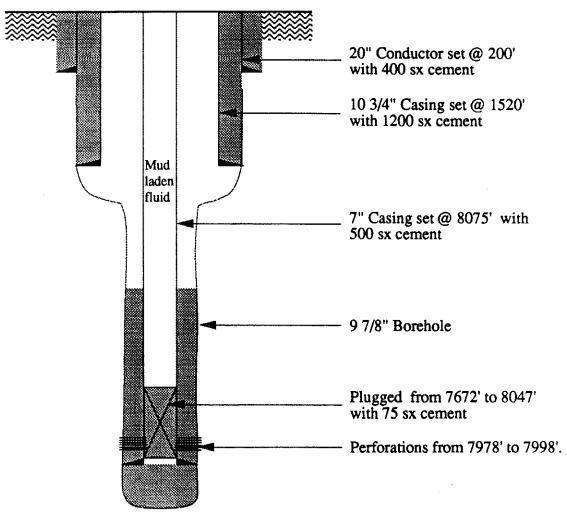
Date Plugged: 2/1/53 Distance to Injection: 7618 ft. from

injection well # 1

Elevation: N/A ft. (GL), 19.18 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8102'

Figure 4-60

Plant: Sabine

Artificial Penetration #: 42 Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: Lutcher-Moore Lumber Co. #2

TD: 8075

Location: A. Richey Survey A-157; 1250 ft. W and 500 ft. N of SE corner of Survey; Orange

County, Texas.

Date Spudded: 1/19/52

Drilling Method: Rotary

API#: N/A RRC#: N/A Status: P&A

Date Plugged: 12/18/68 Distance to Injection: 8658 ft. from

injection well # 1

Elevation: 5.0 ft. (GL), 19.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

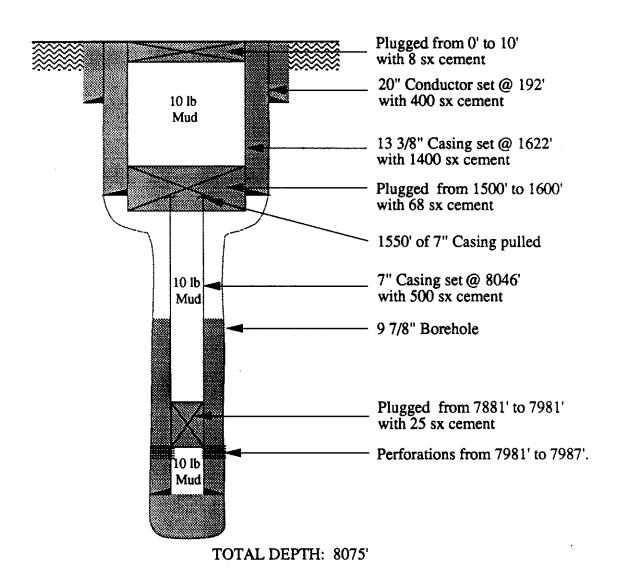


Figure 4-61

Plant: Sabine

Artificial Penetration #: 43 Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: Texas State 36027 #1

TD: 8232

Location: A. Richey Survey A-157; 616.83 ft. W and 895.65 ft. N of SE corner of Survey;

Orange County, Texas. Date Spudded: 1/10/52 Drilling Method: Rotary API#: N/A RRC#: N/A Status: P & A

Date Plugged: 9/10/84 Distance to Injection: 9500 ft. from

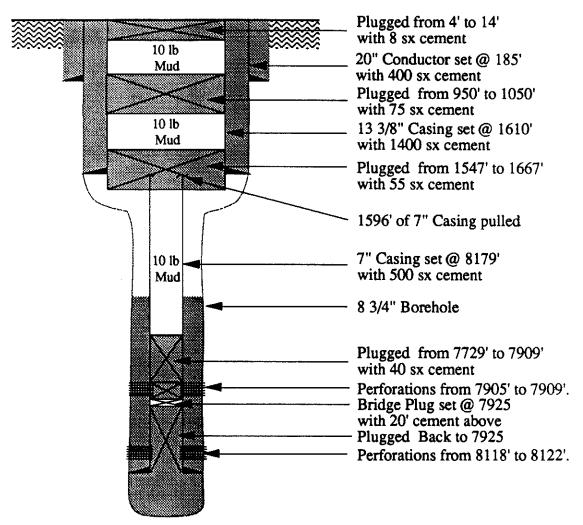
injection well # 1

Elevation: 6.0 ft. (GL), 21.0 ft. (KB)

Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8233'

Figure 4-62

Plant: Sabine

Artificial Penetration #: 44 Orig. Operator: The Ohio Oil Co.

Curr. Operator: Marathon Oil Co. Lease / Well #: City of Orange #1/ Texas A-1 Unit

TD: 8088

Location: C.L. Higgenbotham Survey A-414; 125 ft. FSWL and 450 ft. FNL of lease; Orange County,

Date Spudded: 11/20/51 Drilling Method: Rotary

API#: N/A RRC#: N/A Status: P&A

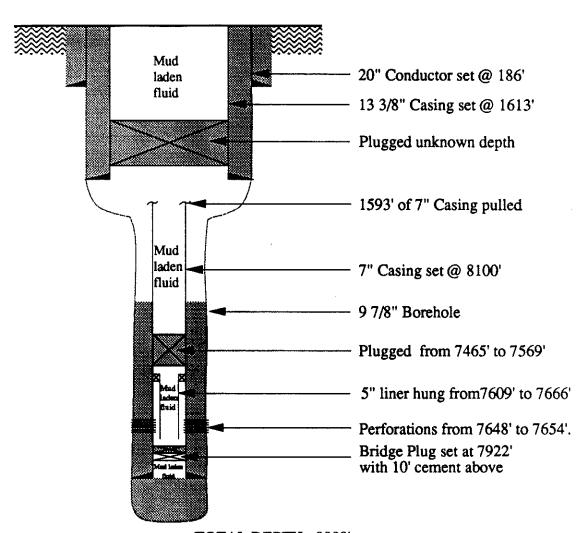
Date Plugged: 8/26/62 Distance to Injection: 7568 ft. from

injection well # 1

Elevation: 4.0 ft. (GL), 20.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8088'

Figure 4-63

Plant: Sabine

Artificial Penetration #: 45 Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co. Lease / Well #: Lutcher-Moore Lumber

Co. #1 TD: 8999'

Location: C.L. Higgenbotham Survey A-414; 355 ft. FSWL and 700 ft. FEL of

lease; Orange County, Texas. Date Spudded: 5/19/51 Drilling Method: Rotary

API#: N/A RRC#: N/A Status: P&A

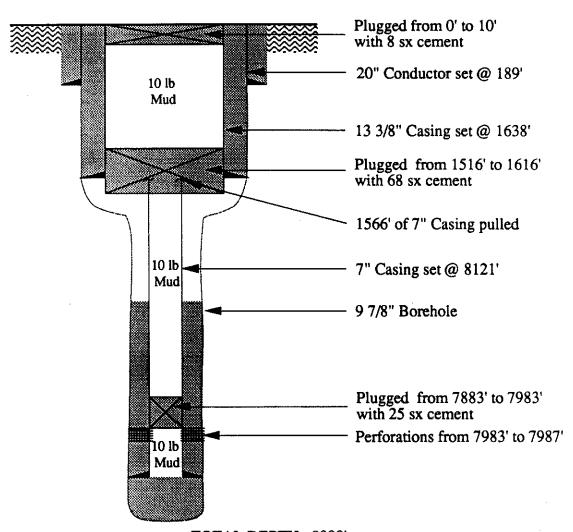
Date Plugged: 1/14/69 Distance to Injection: 8278 ft. from

injection well # 1

Elevation: 3.0 ft. (GL), N/A ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8999'

Figure 4-64

Plant: Sabine

Artificial Penetration #: 46 Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co.

Lease / Well #: Lutcher-Moore Lumber Co. #4

TD: 8094'

Location: J. Watson Survey A-206; 250 ft. S and 200 ft. E from SE corner of A. Richey

Survey; Orange County, Texas. Date Spudded: 4/25/52 Drilling Method: Rotary

API #: N/A RRC#: N/A Status: P & A

Date Plugged: 1/4/69

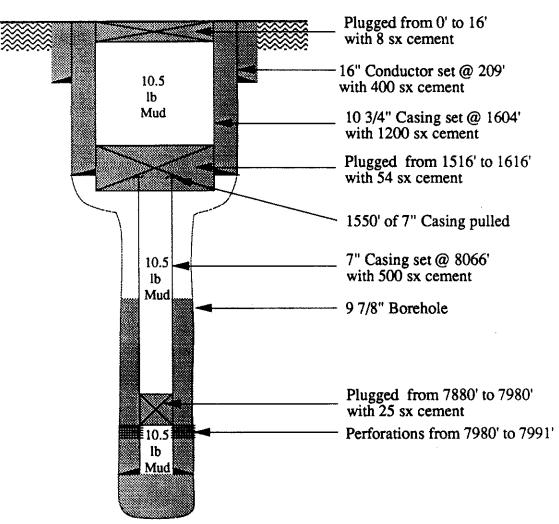
Distance to Injection: 9192 ft. from

injection well # 1

Elevation: 8.0 ft. (GL), 23.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8094'

Figure 4-65

Plant: Sabine

Artificial Penetration #: 47 Orig. Operator: Beck Petrtoleum

Curr. Operator: Lease / Well #: Hymers-Falkenmger #1

TD: N/A'

Location: W.M. Black Survey A-392; Date Spudded: N/A Drilling Method: N/A

API#: N/A RRC#: N/A Status: N/A

Date Plugged: N/A
Distance to Injection: 4952 ft. from injection well # 1
Elevation: N/A ft. (GL), N/A ft. (KB)
Data Sources: N/A

drawing not to scale

SABINE RIVER WORKS AP- 47 NO RECORDS

drawn by: R.M. 7/13/89 checked by: G.B. 12/14/89

Figure 4-66

Plant: Sabine

Artificial Penetration #: 48 Orig. Operator: C.G. Gradwohl

Curr. Operator: Meredith & Co Lease / Well #: A.F. Dobbertine Heirs #1

TD: 8015'

Location: W.M. Black Survey A-392; 293 ft. from N and S lines and 467 ft. FEL of lease;

Orange County, Texas. Date Spudded: 2/6/55 **Drilling Method: Rotary**

API#: N/A RRC#: N/A Status: P&A

Date Plugged: 2/21/55
Distance to Injection: 5680 ft. from

injection well # 1

Elevation: N/A ft. (GL), N/A ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

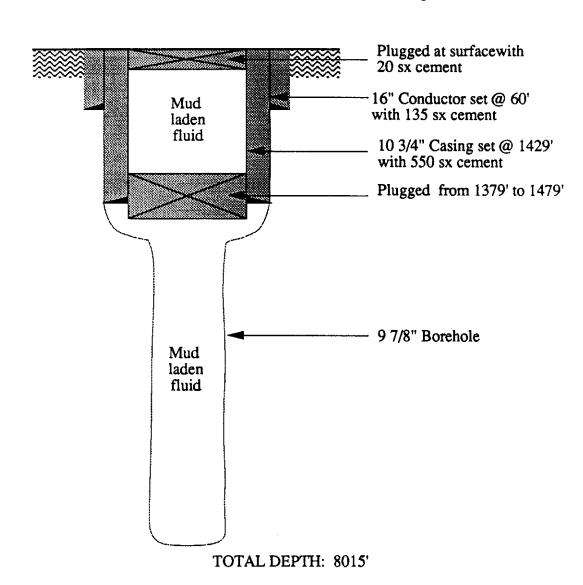


Figure 4-67

Plant: Sabine

Artificial Penetration #: 49

Orig. Operator: Colorado Oil & Gas Co.

Curr. Operator:

Lease / Well #: H.L. Brown #3

TD: 8031'

Location: C.L. Higgenbotham Survey A-414; 3543.85 ft. FEL and 467 ft. FNEL of lease;

Orange County, Texas. Date Spudded: 10/6/54 **Drilling Method: Rotary** API#: N/A RRC#: N/A Status: P&A

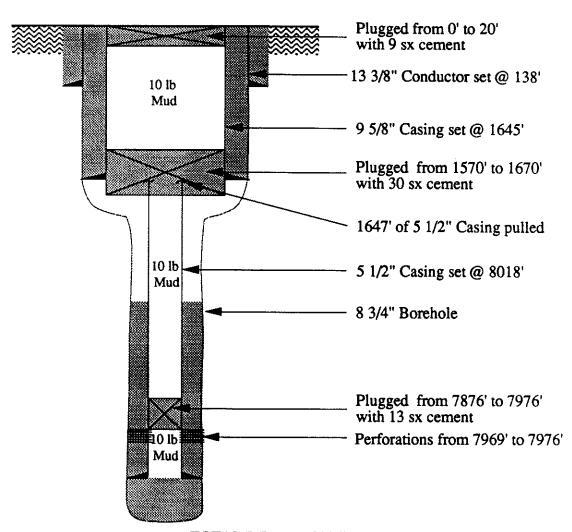
Date Plugged: 9/8/67 Distance to Injection: 5974 ft. from

injection well # 1

Elevation: N/A ft. (GL), 16.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8026'

Figure 4-68

Plant: Sabine

Artificial Penetration #: 50 Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co.

Lease / Well #: Odom #1

TD: 8075'

Location: C.L. Higgenbotham Survey A-414; 375 ft. FNEL and 1361.9 ft. FNL of lease;

Orange County, Texas. Date Spudded: 2/15/52 Drilling Method: Rotary

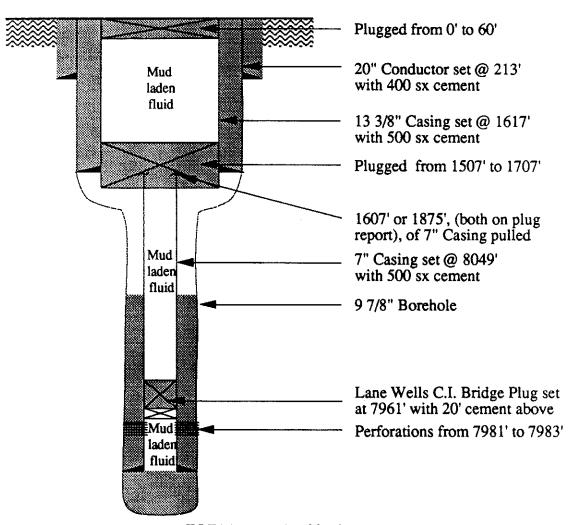
API#: N/A RRC#: N/A Status: P & A

Date Plugged: 2/25/65
Distance to Injection: 6970 ft. from injection well # 1

Elevation: 4.0 ft. (GL), N/A ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8075'

Figure 4-69

Plant: Sabine

Artificial Penetration #: 51 Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co.

Lease / Well #: City of Orange #2

TD: 8101'

Location: C.L. Higgenbotham Survey A-414; 800 ft. W and 1590 ft. S of NE corner of lease;

Orange County, Texas. Date Spudded: 5/14/52 **Drilling Method: Rotary**

API#: N/A RRC#: N/A Status: P & A

Date Plugged: 8/22/62

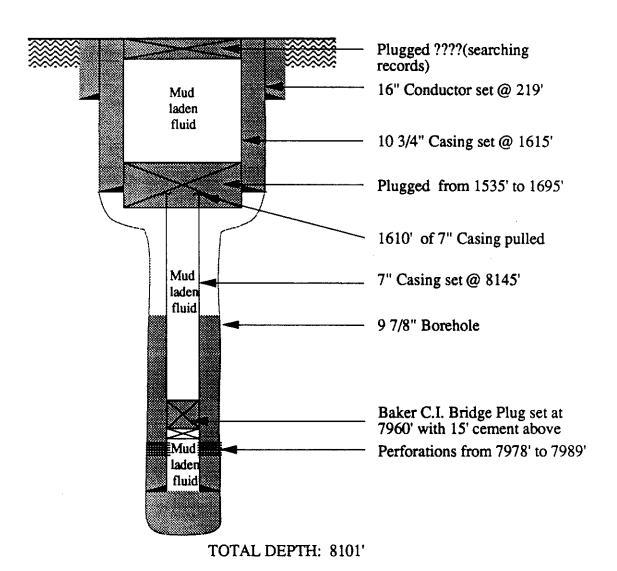
Distance to Injection: 7424 ft. from

injection well # 1

Elevation: 4.0 ft. (GL), 18.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



drawn by: R.M. 7/13/89

checked by: G.B. 12/14/89

Figure 4-70

Plant: Sabine

Artificial Penetration #: 52 Orig. Operator: The Ohio Oil Co. Curr. Operator: Marathon Oil Co.

Lease / Well #: Odom #2

TD: 8105

Location: C.L. Higgenbotham Survey A-414; 850 ft. W and 2200 ft. S of NE corner of lease;

Orange County, Texas. Date Spudded: 8/15/52 **Drilling Method: Rotary**

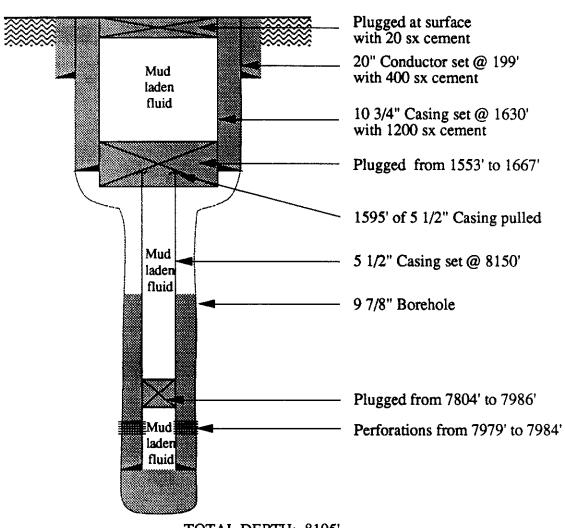
API#: N/A RRC#: N/A Status: P & A

Date Plugged: 3/14/63
Distance to Injection: 6963 ft. from injection well # 1

Elevation: 5.0 ft. (GL), 18.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8105'

Figure 4-71

Plant: Sabine

Artificial Penetration #: 53 Orig. Operator: The Ohio Oil Co.

Curr. Operator:

Lease / Well #: L-Moore T.S. 36025 & 39209

U-1

TD: 8100'

Location: J. Watson Survey A-206; 1737.35 ft. S & 712.8 ft. E of SE corner of Survey; Orange

County, Texas.

Date Spudded: 3/9/53 **Drilling Method: Rotary**

API#: N/A RRC#: N/A Status: P&A

Date Plugged: 3/24/53 Distance to Injection: 8680 ft. from

injection well # 1

Elevation: N/A ft. (GL), 20 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

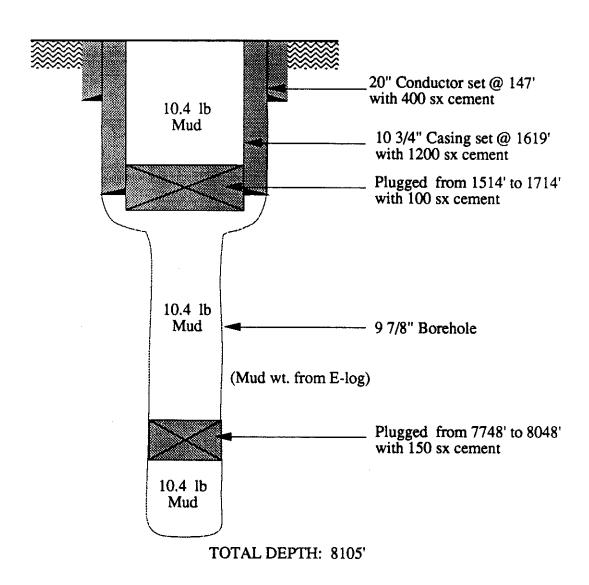


Figure 4-72

Plant: Sabine

Artificial Penetration #: 54 Orig. Operator: Highlands Energy

Curr. Operator: Highlands Expl. & Prod. Co. Lease / Well #: Frost National Bank Trust #1

TD: 9115'

Location: W.M. Burwick Survey A-276; 1058 ft. FSWL and 624 ft. FNLof lease; Orange

County, Texas.

Date Špudded: 10/4/81 **Drilling Method: Rotary** **API #:** 42-361-30386

RRC#: N/A Status: P&A

Date Plugged: 10/22/81 Distance to Injection: 10808 ft. from

injection well # 1

Elevation: 0 ft. (GL), 24.7 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

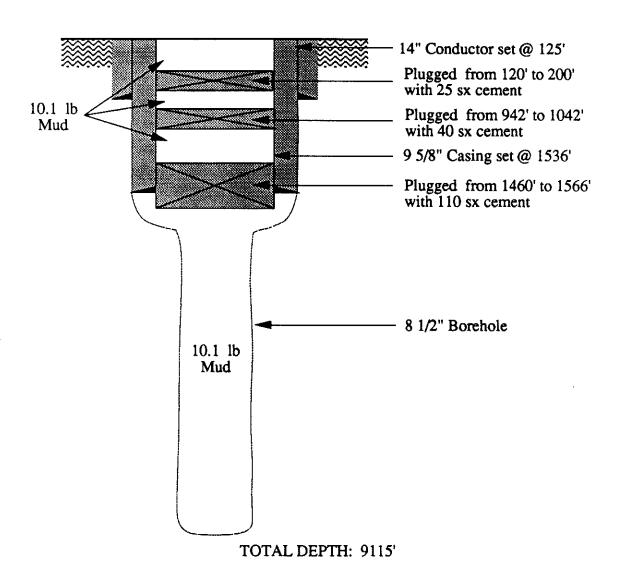


Figure 4-73

Plant: Sabine

Artificial Penetration #: 55

Orig. Operator: Hawkins & Gabriel

Curr. Operator:

Lease / Well #: J.E. Broussard et. al #1

TD: 9006'

Location: W. Berwick Survey A-276; 660 ft. S & 660 ft. W of SE corner of Louis. Sec. 28;

Orange County, Texas. Date Spudded: 9/4/52 **Drilling Method: Rotary** API#: N/A RRC#: N/A Status: P & A

Date Plugged: 12/5/52
Distance to Injection: 11801 ft. from

injection well # 1

Elevation: N/A ft. (GL), N/A ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

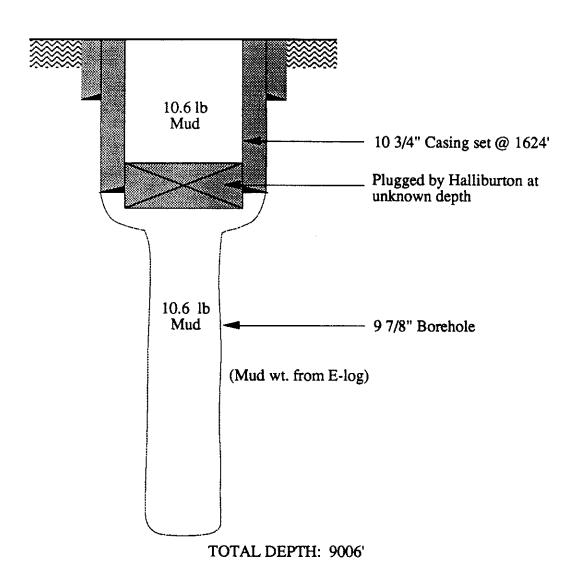


Figure 4-74

Plant: Sabine

Artificial Penetration #: 56 Orig. Operator: Crow Drilling Co. Curr. Operator: F.R. McCauley Lease / Well #: H.L. Brown #2

TD: 8551'

Location: C.L. Higgenbotham Survey A-414; 2610 ft. NW and 467 ft. SW of NE corner of

lease; Orange County, Texas. Date Spudded: 2/3/54 Drilling Method: Rotary

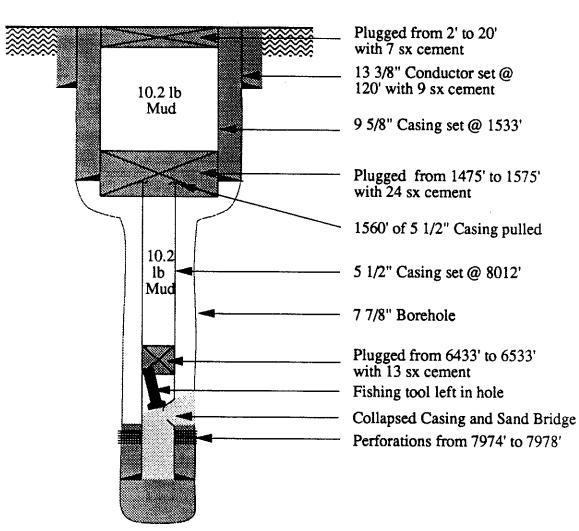
API#: N/A RRC#: N/A Status: P&A

Date Plugged: 9/5/67
Distance to Injection: 5917 ft. from injection well # 1

Elevation: N/A ft. (GL), 18.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8551'

Figure 4-75

Plant: Sabine

Artificial Penetration #: 57 Orig. Operator: J. Mecom

Curr. Operator: The Ohio Oil Co. Lease / Well #: E.W. Brown #2/Texas A-1 Unit

TD: 8060'

Location: C.L. Higgenbotham Survey A-414; 4845 ft. SW and 350 ft. NE of SW corner of lease;

Orange County, Texas. Date Spudded: 4/25/54 **Drilling Method: Rotary**

API#: N/A RRC#: N/A Status: P&A

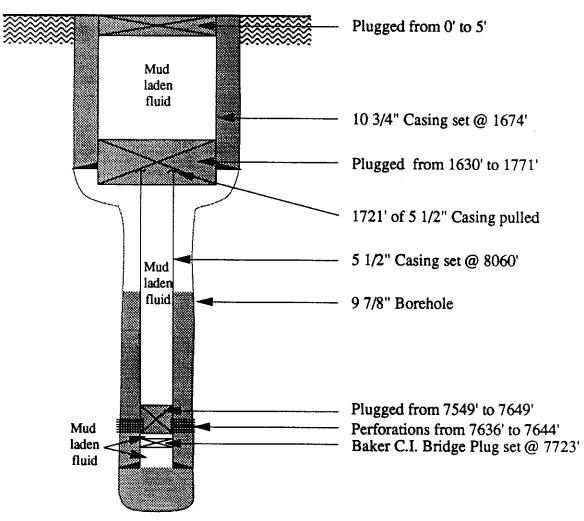
Date Plugged: 4/28/60
Distance to Injection: 4507 ft. from

injection well # 1

Elevation: N/A ft. (GL), 21.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8060'

Figure 4-76

Plant: Sabine

Artificial Penetration #: 58 Orig. Operator: J. Mecom

Curr. Operator:

Lease / Well #: E.W. Brown #1

TD: 8626'

Location: C.L. Higgenbotham Survey A-414; 477.63 ft. FNEL and 4000 ft. FSEL of lease;

Orange County, Texas.

Date Spudded: 3/26/54 Drilling Method: Rotary API#: N/A RRC#: N/A

Status: Active Oil Well

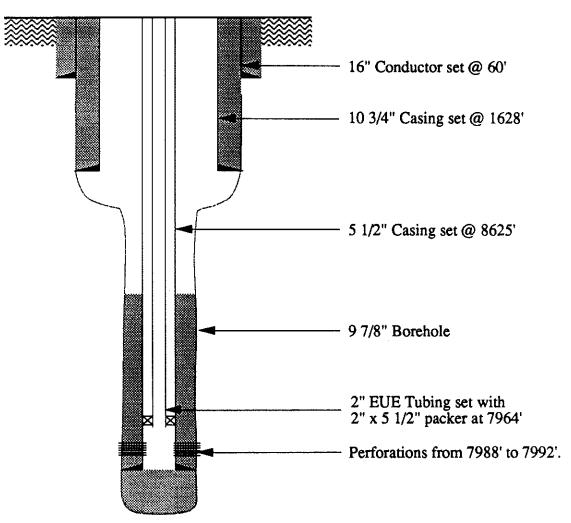
Date Plugged:

Distance to Injection: 4732 ft. from injection well # 1

Elevation: N/A ft. (GL), N/A ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8626'

Figure 4-77

Plant: Sabine

Artificial Penetration #: 59 Orig. Operator: H.L. Brown

Curr. Operator: Lease / Well #: H.L. Brown Fee #1

TD: 8080'

Location: C.L. Higgenbotham Survey A-414; 330 ft. FNEL and 445 ft. FSEL of lease; Orange

County, Texas.

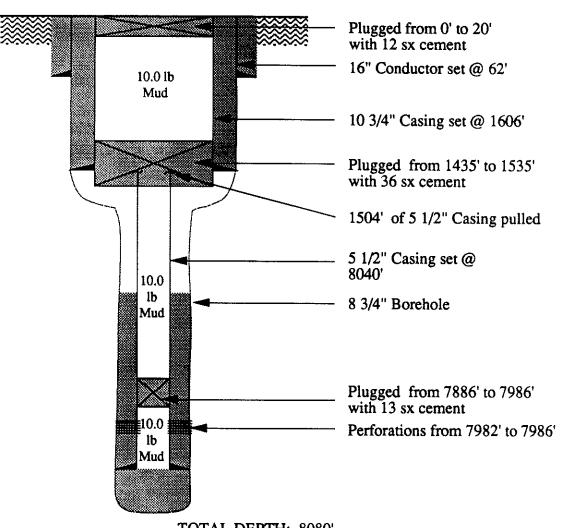
Date Spudded: 9/13/52 Drilling Method: Rotary API#: N/A RRC#: N/A Status: P&A

Date Plugged: 8/30/67
Distance to Injection: 6385 ft. from injection well # 1

Elevation: N/A ft. (GL), 19.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 8080'

Figure 4-78

Plant: Sabine

Artificial Penetration #: 60 Orig. Operator: J.W, Frazier Curr. Operator: Lease / Well #: C.L. Brown #1

TD: 8510'

Location: C.L. Higgenbotham Survey A-414; 712.2 ft. FSL and 336.2 ft. FNL of lease; Orange

County, Texas.

Date Spudded: 5/19/41 Drilling Method: Rotary

API#: N/A RRC#: N/A Status: P&A

Date Plugged: 1/5/72 Distance to Injection: 7274 ft. from

injection well # 1

Elevation: N/A ft. (GL), 14 ft. (KB)

Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

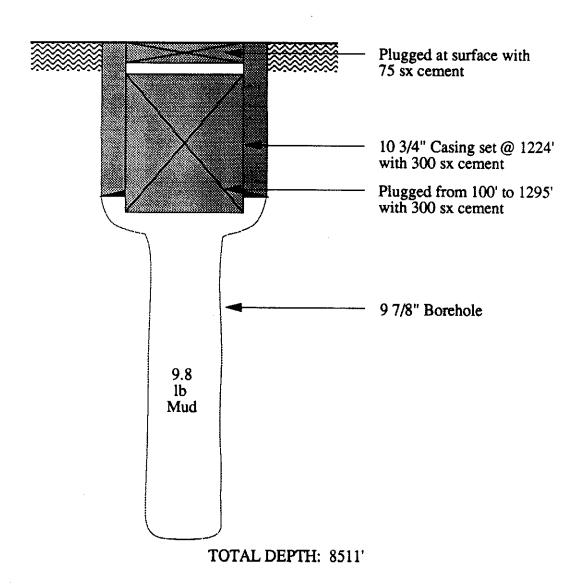


Figure 4-79

Plant: Sabine

Artificial Penetration #: 61

Orig. Operator: Cooper Petroleum Co.

Curr. Operator:

Lease / Well #: H.J.L. Stark #1

TD: 8515'

Location: J.B. Childress Survey A-375; 330 ft. FEL and 330 ft. FSL of lease; Orange County,

Date Spudded: 12/29/61 **Drilling Method: Rotary**

API#: N/A RRC#: N/A Status: P&A

Date Plugged: 1/7/62 Distance to Injection: 2887 ft. from

injection well # 1

Elevation: N/A ft. (GL), 16 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

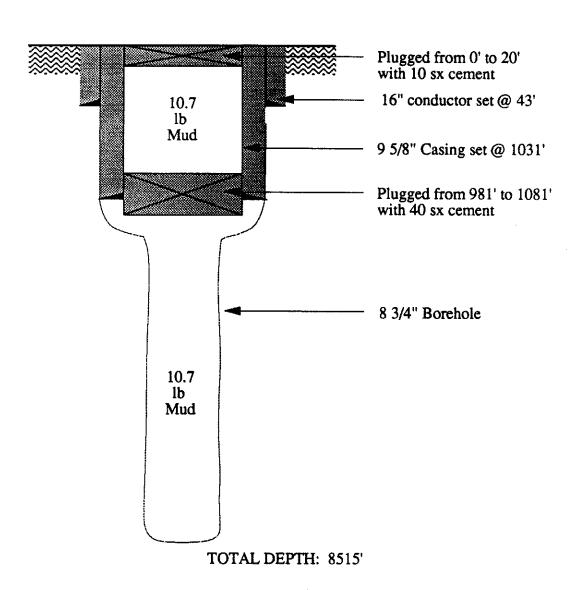


Figure 4-80

Plant: Sabine

Artificial Penetration #: 62

Orig. Operator: Rutledge Deas & William Craig

Curr. Operator:

Lease / Well #: H.J.L. Stark Est. #1

TD: 8713'

Location: C.L. Higgenbotham Survey A-414; 50 ft. FSL and 800 ft. FEL of lease; Orange County,

Date Spudded: 12/10/68 Drilling Method: Rotary **API #:** 42-361-20074

RRC#: N/A Status: P&A

Date Plugged: 12/21/68
Distance to Injection: 4726 ft. from

injection well # 1

Elevation: 5.0 ft. (GL), 15.0 ft. (KB)

Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

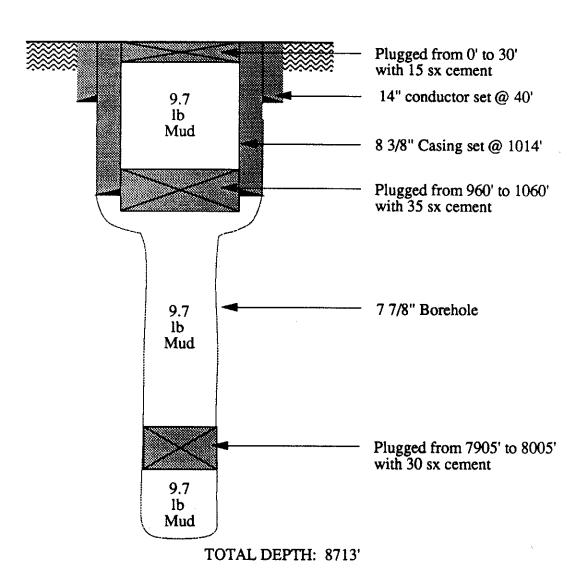


Figure 4-81

Plant: Sabine

Artificial Penetration #: 63

Orig. Operator: W.C. Wells, Trustee Curr. Operator:
Lease / Well #: W.H. Stark #1

TD: 4001

Location: H.F. Brack Survey A-245; 150 ft. FNL and 833 ft. FEL of lease; Orange County, Texas.

Date Spudded: 9/10/26 **Drilling Method: Rotary** **API #:** 42-361-1309

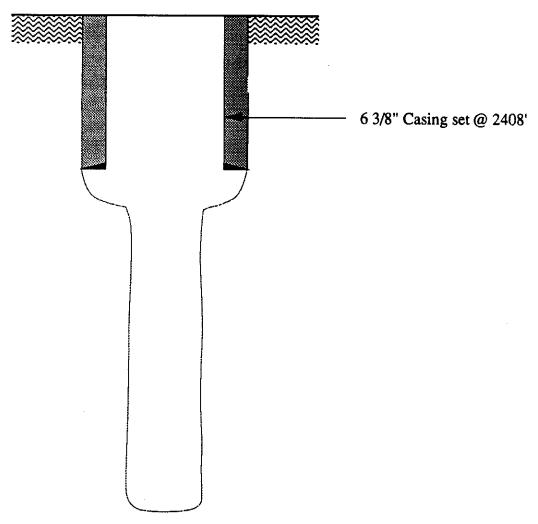
RRC#: N/A

Status: Dry and Abandoned
Date Plugged: N/A
Distance to Injection: 908 ft. from

injection well # 1

Elevation: N/A ft. (GL), N/A ft. (KB) Data Sources: State forms

drawing not to scale



TOTAL DEPTH: 4001'

drawn by: R.M. 7/13/89 checked by: G.B. 12/14/89

Figure 4-82

Plant: Sabine

Artificial Penetration #: 64 Orig. Operator: The Texas Co.

Curr. Operator:

Lease / Well #: B. Stark Est. #1

TD: 8399'

Location: Stephen Jett Survey A-16; 231' ft. N. 53deg. 43 min. of NWL of W.H. Stark Survey;

Orange County, Texas. Date Spudded: 4/16/38 Drilling Method: Rotary

API#: N/A RRC#: N/A Status: P&A

Date Plugged: 5/30/38
Distance to Injection: 2320 ft. from injection well # 1

Elevation: N/A ft. (GL), 19.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

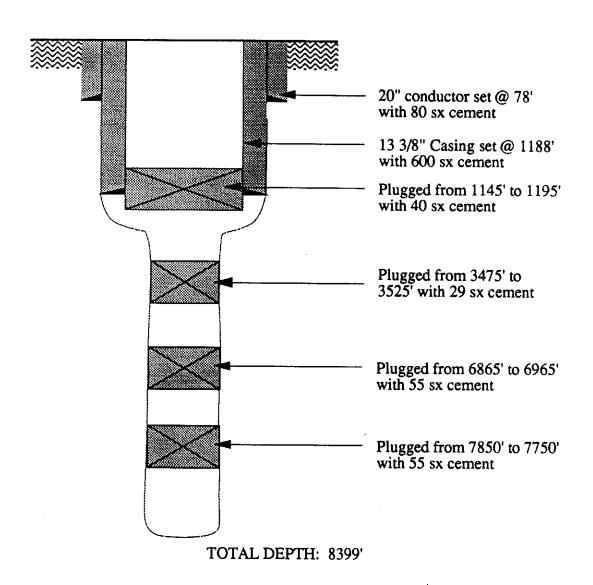


Figure 4-83

Plant: Sabine

Artificial Penetration #: 65

Orig. Operator: Dr. E.W. Brown Estate

Curr. Operator: Lease / Well #: W.H. Stark #1

TD: 3920'

Location: W.H. Stark Survey A-505; 569 ft. NW and 804 ft. SW from NE cor. of lease; Orange

County, Texas.

Date Spudded: N/A Drilling Method: Rotary

API#: N/A RRC#: N/A Status: P & A

Date Plugged: 1/21/27 Distance to Injection: 250 ft. from

injection well # 1

Elevation: N/A ft. (GL), N/A ft. (KB) Data Sources: State forms,

drawing not to scale

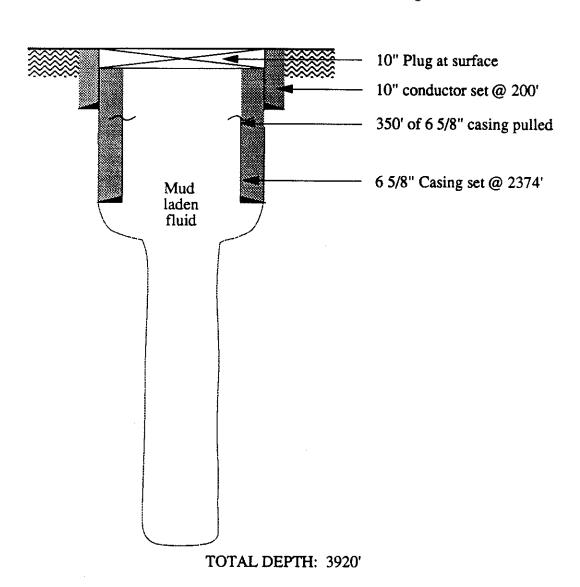


Figure 4-84

Plant: Sabine

Artificial Penetration #: 66

Orig. Operator: Orange Petrtoleum Curr. Operator: Lease / Well #: W.N. Stark #1

TD: 4066'

Location: B.F. Richardson Survey A-233;

Date Spudded: N/A Drilling Method: N/A

API#: N/A RRC#: N/A Status: Unknown

Date Plugged: N/A
Distance to Injection: 1293 ft. from

injection well # 1
Elevation: N/A ft. (GL), N/A ft. (KB)
Data Sources: N/A

drawing not to scale

SABINE RIVER WORKS AP- 66 **NO RECORDS**

drawn by: R.M. 7/15/89 checked by: G.B. 12/14/89

Figure 4-85

Plant: Sabine

Artificial Penetration #: 67

Orig. Operator: D.C. Bintliff & Coastal States

Curr. Operator:

Lease / Well #: H.J.L. Stark Est. #A-1

TD: 8684'

Location: J. Watson Survey A-207; 771.7 ft. FNL and 2054.9 ft. FEL of lease; Orange County, Texas. Date Spudded: 2/3/70

Drilling Method: Rotary

API #: 42-361-30018

RRC#: N/A Status: P&A

Date Plugged: 2/12/70 Distance to Injection: 2949 ft. from

injection well # 1

Elevation: 5.0 ft. (GL), 21 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

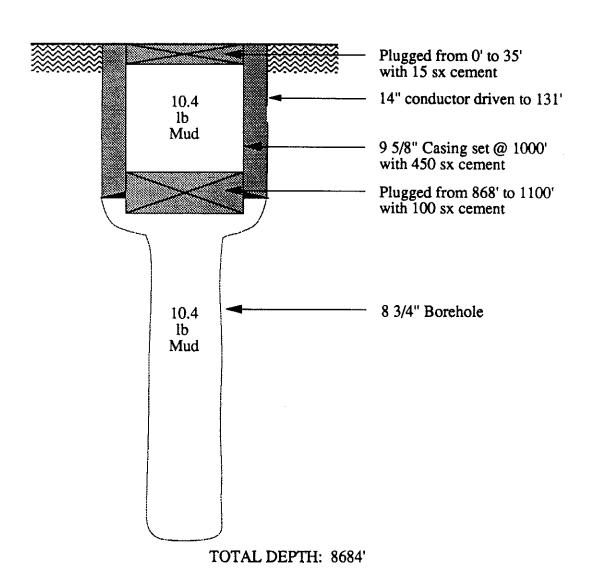


Figure 4-86

Plant: Sabine

Artificial Penetration #: 68

Orig. Operator: Trice Production Co.

Curr. Operator:

Lease / Well #: H.L. Stark #1-A

TD: 8865'

Location: H.F. Brack Survey A-245; 275 ft. SE and 75 ft. S of Adams Bayou and N line of lease;

Orange County, Texas. Date Spudded: 8/7/58 Drilling Method: Rotary **API #:** 42-361-39281

RRC#: 39281 Status: P&A

Date Plugged: 8/26/58
Distance to Injection: 1834 ft. from

injection well # 1

Elevation: N/A ft. (GL), N/A ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

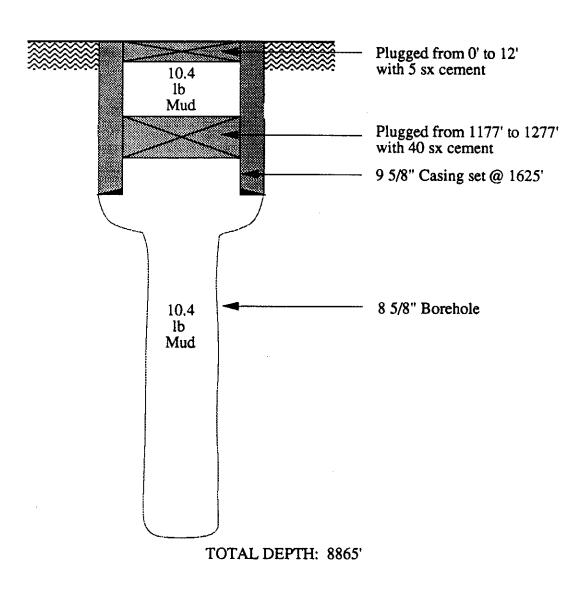


Figure 4-87

Plant: Sabine

Artificial Penetration #: 69

Orig. Operator: W.C. Wells Trustee

Curr. Operator:

Lease / Well #: W.H. Stark #2

TD: 4065'

Location: H.F. Brack Survey A-245; 25.5 ft. FWL and 1508.5 ft. FNL of lease; Orange County, Texas.

Date Spudded: 3/12/27 **Drilling Method: Rotary**

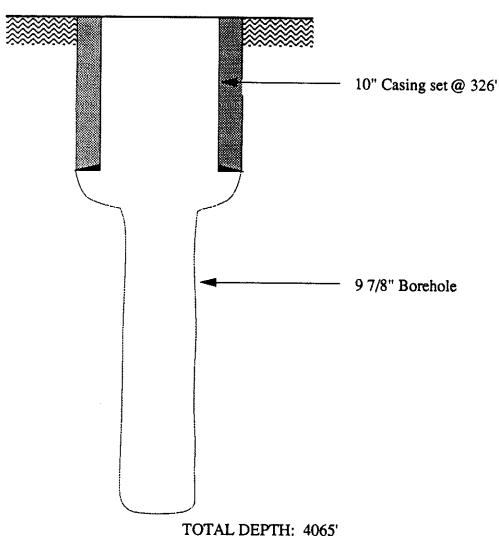
API #: N/A RRC#: N/A Status: P&A

Date Plugged: 6/21/27 Distance to Injection: 3062 ft. from

injection well # 1

Elevation: N/A ft. (GL), N/A ft. (KB) Data Sources: Scout tickets

drawing not to scale



TOTAL DEPTH: 4065'

Figure 4-88

Plant: Sabine

Artificial Penetration #: 70

Orig. Operator: Highland Resources Inc.

Curr. Operator: Lease / Well #: N. Stark #1

TD: 8980'

Location: H.F. Brack Survey A-245; 1450 ft. FEL and 1000 ft. FNL of lease; Orange County, Texas.

Date Spudded: 11/1/82 Drilling Method: Rotary **API #:** 42-361-30435

RRC#: 169462 Status: P&A

Date Plugged: 12/15/82
Distance to Injection: 9877 ft. from injection well # 1

Elevation: 3.0 ft. (GL), 18 ft. (KB)

Data Sources: Scout tickets, electric logs

drawing not to scale

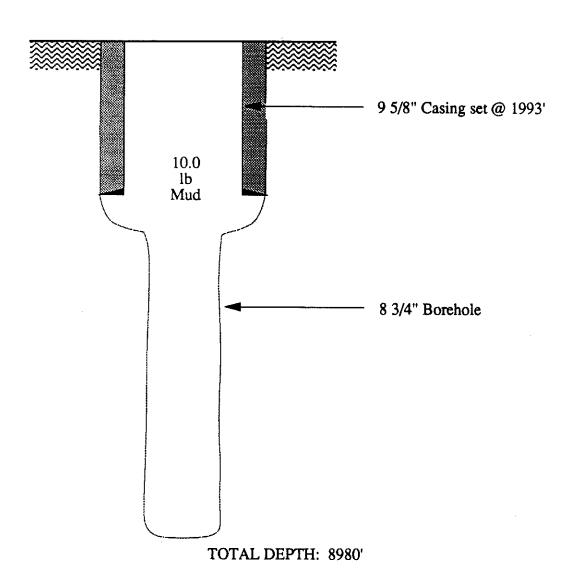


Figure 4-89

Plant: Sabine

Artificial Penetration #: 72 Orig. Operator: J.W. Mecom

Curr. Operator:

Lease / Well #: H.L. Brown #1

TD: 8514'

Location: J. Jett Survey A-15; S. 82deg W. from NW cor. of J.H. Bland Survey; Orange County,

Date Spudded: 7/10/59 **Drilling Method: Rotary**

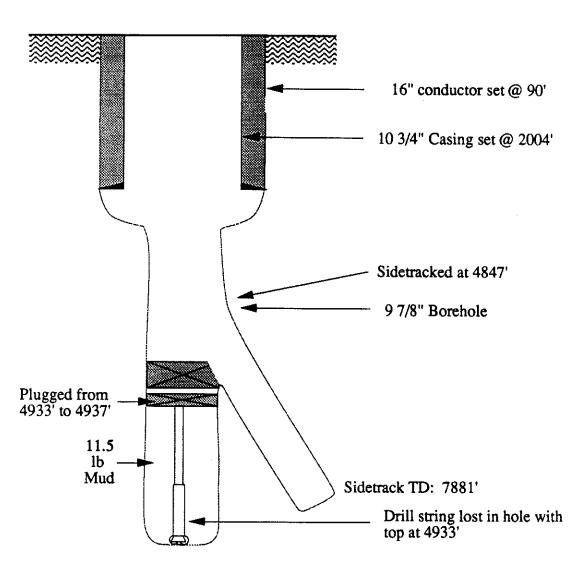
API #: N/A RRC#: N/A Status: P&A

Date Plugged: 9/9/59
Distance to Injection: 16221 ft. from

injection well # 1

Elevation: N/A ft. (GL), 20 ft. (KB) Data Sources: Electric log, scout tickets

drawing not to scale



TOTAL DEPTH: 8514'

Figure 4-90

Plant: Sabine

Artificial Penetration #: 73 Orig. Operator: J.W. Mecom

Curr. Operator:

Lease / Well #: E.W. Brown Jr. #1

TD: 13004'

Location: J. Jett Survey A-15; 2450 ft. FNWL and 2175 ft. FNEL of lease; Orange County, Texas.

Date Spudded: 3/7/60 **Drilling Method: Rotary** API#: N/A RRC#: N/A Status: P&A

Date Plugged: 7/12/60 Distance to Injection: 17285 ft. from

injection well # 1

Elevation: N/A ft. (GL), 16 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

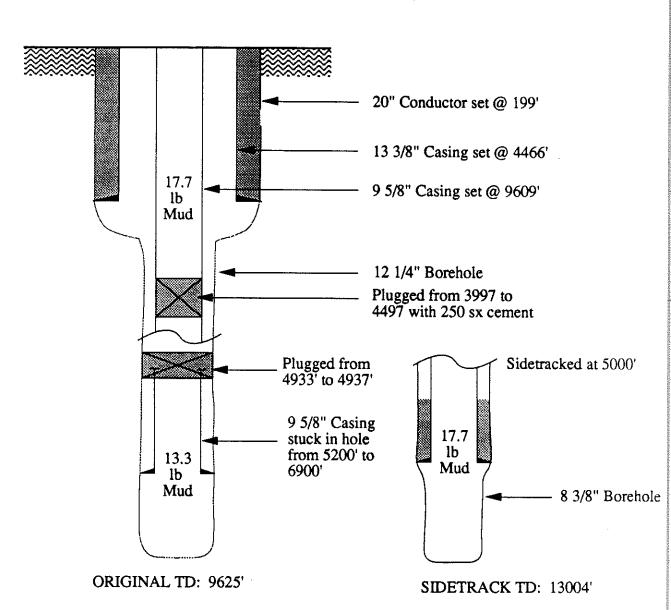


Figure 4-91

Plant: Sabine

Artificial Penetration #: 74 Orig. Operator: J.W. Mecom

Curr. Operator: Lease / Well #: H.L. Brown #3

TD: 9700'

Location: J. Jett Survey A-15; 330 ft. FNWL and 19900 ft. FWL of Survey; Orange County, Texas.

Date Spudded: 12/3/60 Drilling Method: Rotary

API#: N/A RRC#: N/A Status: P & A

Date Plugged: 1/15/61
Distance to Injection: 14977 ft. from injection well # 1

Elevation: N/A ft. (GL), 18 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

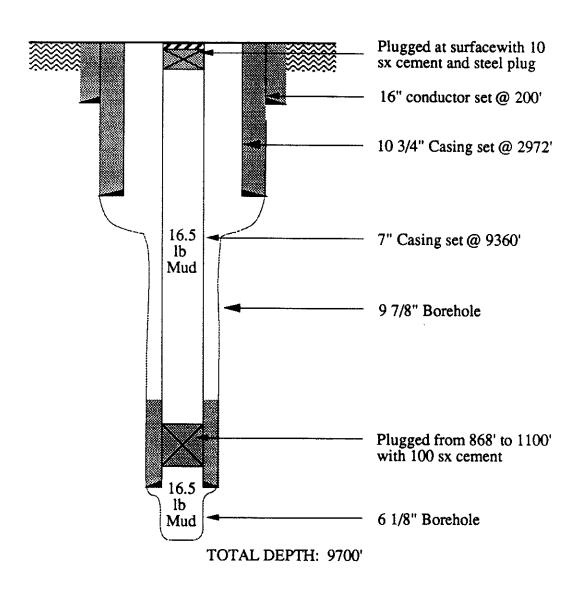


Figure 4-92

Plant: Sabine

Artificial Penetration #: 75 Orig. Operator: Hoffman-Turner Curr. Operator: Lease / Well #: Aronson #1

TD: 3760'

Location: G.A. Forman Survey A-356; Date Spudded: 3/10/16

Drilling Method: N/A

API#: N/A RRC#: N/A

Status: Dry and Abandoned

Date Plugged: N/A
Distance to Injection: 14613 ft. from injection well # 1
Elevation: N/A ft. (GL), N/A ft. (KB)
Data Sources: Scout Ticket

drawing not to scale

SABINE RIVER WORKS AP-66 75 SCOUT TICKET ONLY

Plant: Sabine

Artificial Penetration #: 76

Orig. Operator: Tidewater Oil Co.

Curr. Operator: Lease / Well #: Dr. E.W. Brown Est. #1

TD: 7706'

Location: M. Latham Survey A-127; 550 ft. S. and 1090 ft. W of N. cor. of Survey; Orange County,

Date Spudded: 6/5/36 Drilling Method: Rotary

API #: N/A RRC#: N/A Status: P&A

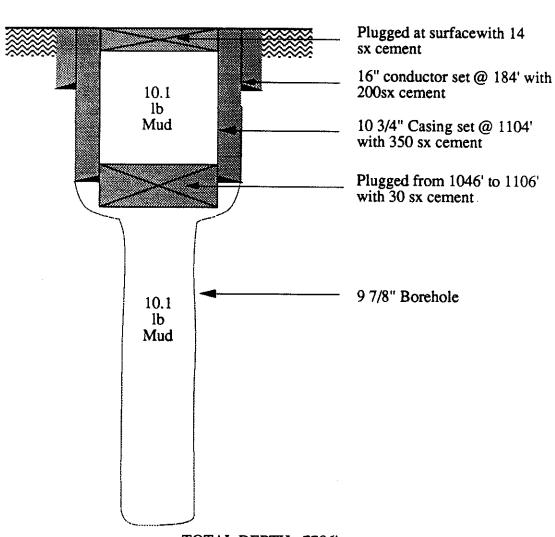
Date Plugged: 7/18/36 Distance to Injection: 18178 ft. from

injection well # 1

Elevation: N/A ft. (GL), 16 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



TOTAL DEPTH: 7706'

Figure 4-94

Plant: Sabine

Artificial Penetration #: 77

Orig. Operator: Tidewater Oil Co.

Curr. Operator:

Lease / Well #: Dr. E.W. Brown Est. #B-1

TD: 7868'

Location: M. Dykes Survey A-9; 2442.2 ft. E. and 1328.6 ft. S. of NW cor. of lease; Orange County,

Date Spudded: 8/16/36 **Drilling Method: Rotary**

API#: N/A RRC#: N/A Status: P&A

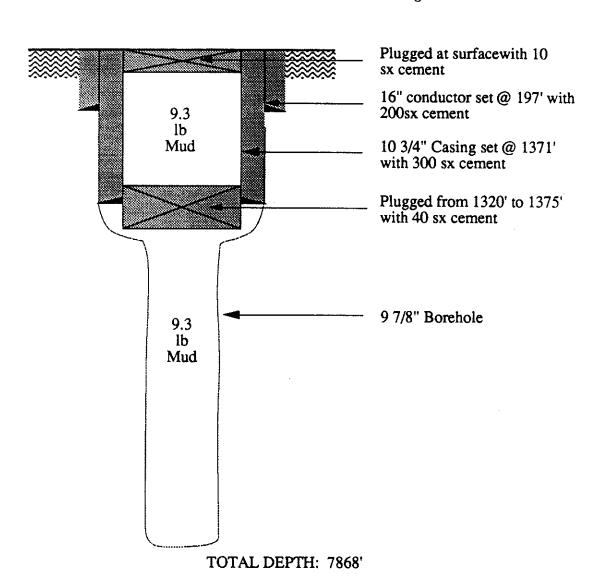
Date Plugged: 9/21/36 Distance to Injection: 14258 ft. from

injection well # 1

Elevation: N/A ft. (GL), N/A ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale



drawn by: R.M. 7/16/89

checked by: G.B. 12/14/89

Figure 4-95

Plant: Sabine

Artificial Penetration #: 78

Orig. Operator: Pan American Petr. Corp.

Curr. Operator:

Lease / Well #: E.W. Brown Jr. #1

TD: 10877'

Location: E.C. Hall Survey A-277; 467 ft. FWL and 352 ft. FSL of lease; Orange County, Texas.

Date Spudded: 12/7/70 Drilling Method: Rotary API#: 42-361-30027

RRC#: N/A Status: P & A

Date Plugged: 1/1/71

Distance to Injection: 14006 ft. from

injection well # 1

Elevation: 14.0 ft. (GL), 25.0 ft. (KB) Data Sources: Electric log, state forms,

scout tickets

drawing not to scale

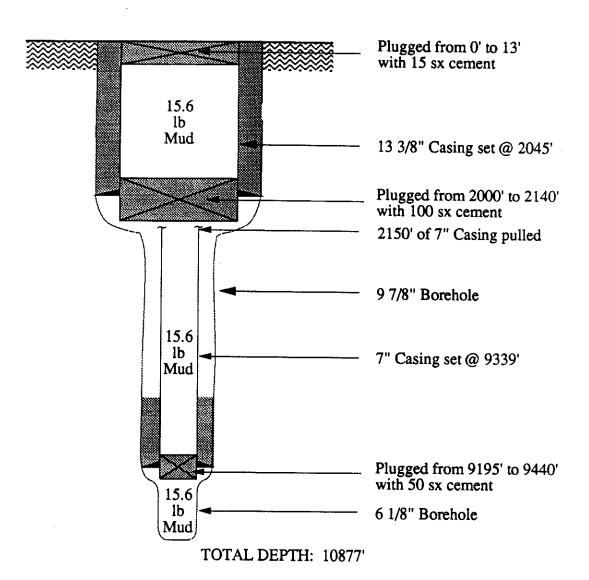


Figure 4-96